

The
CHEMIST AND DRUGGIST

for RETAILER - WHOLESALE - MANUFACTURER

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CXXXVIII

OCTOBER 24, 1942

Annual Subscription (with
Diary) 25/- . Single Copies 9d.

ANÆSTHETIC ETHER (KEITH'S)

**SPECIALLY PURIFIED
ANÆSTHETIC CHLOROFORM**

**ALKALOIDS OF OPIUM
& THEIR DERIVATIVES**

ALKALOIDS OF NUX VOMICA

MEDICINAL RESINS

J. F. MACFARLAN & Co.

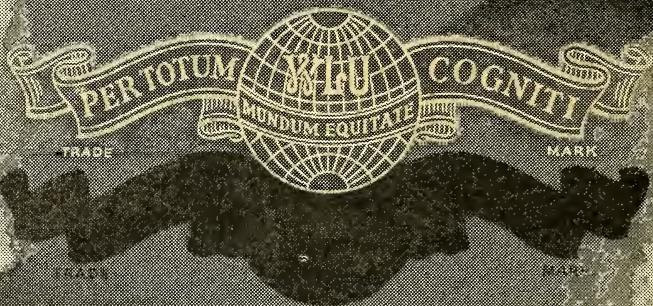
Makers of Pharmaceuticals
since 1780



109, Abbeyhill, Edinburgh.

8, Elstree Way, Boreham Wood, Herts.

WRIGHT, LAYMAN & UMNEY LTD.



DAKIN BROTHERS LTD., LONDON



FOR WORLD-WIDE SERVICE

AN ASSOCIATION

FOR THE MANUFACTURE OF PHARMACEUTICAL PREPARATIONS OF THE FINEST QUALITY
AND THEIR DISTRIBUTION THROUGHOUT THE UNITED KINGDOM AND THE WORLD.

*All enquiries to be addressed to the registered offices at 46, Southwark St.,
London, S.E.1., England.*

The urgent need for vitamins A and D

Some scarcity of 'Adexolin' Capsules, the Glaxo vitamins A and D concentrate, has existed in pharmacies. Thanks however to the release now of more vitamin A for *proper medicinal uses*, more supplies of this product will be available.

Care in prescribing and recommendation are still necessary, and it will help our medical propaganda if you will impress this upon your doctors. 'Adexolin' should, as far as is possible, be reserved for the use of those most in need of it.

'Adexolin' Parcels

'Adexolin' Parcels are available in good quantities. Orders will be dealt with as liberally and as rapidly as possible.

No. 2	9 x 100	costs 36/- net	No. 3	12 x 25 4 x 100	costs 32/- net
No. 6	12 x 1 1/2 oz. 4 x 2 oz.	costs 32/- net	No. 8	12 x 25 12 x 1 1/2 oz.	costs 32/- net

Please order direct from Greenford, indicating the wholesaler through whom you wish the invoice to be rendered.

ADEXOLIN Capsules

'Erbolin' Tablets. 'Erbolin' Tablets now replace 'Erbolin' Capsules. The potency and efficacy remain unchanged. All capsules should be sold off first, before introducing the tablets. New prices are: 25, 2/10, purchase tax 4d.; 100, 8/9, purchase tax 1/1; 500, 34/-, purchase tax 4/3; 1,000, 65/6, purchase tax 8/2.

GLAXO LABORATORIES
LTD.

PRODUCT OF THE
GLAXO LABORATORIES

GREENFORD, MIDDY.
BYRON 3434



THIS WINTER'S No. 1 LINE

Above are shown, in miniature, three of the new **MEGGEZONES** Advertisements which are appearing now in National Newspapers and Magazines, and in leading Newspapers throughout the Provinces.

**WE RECOMMEND
MEGGEZONES**



Because they are the leading preparation relieving the most acute catarrhal condition, the demand for **MEGGEZONES** would, in any case, be great this winter. Backed by forceful advertising, however, the demand will be overwhelming.

Orders will be filled in strict rotation.

MEGGEZONES Advertisements are appearing in, amongst other, the following media:

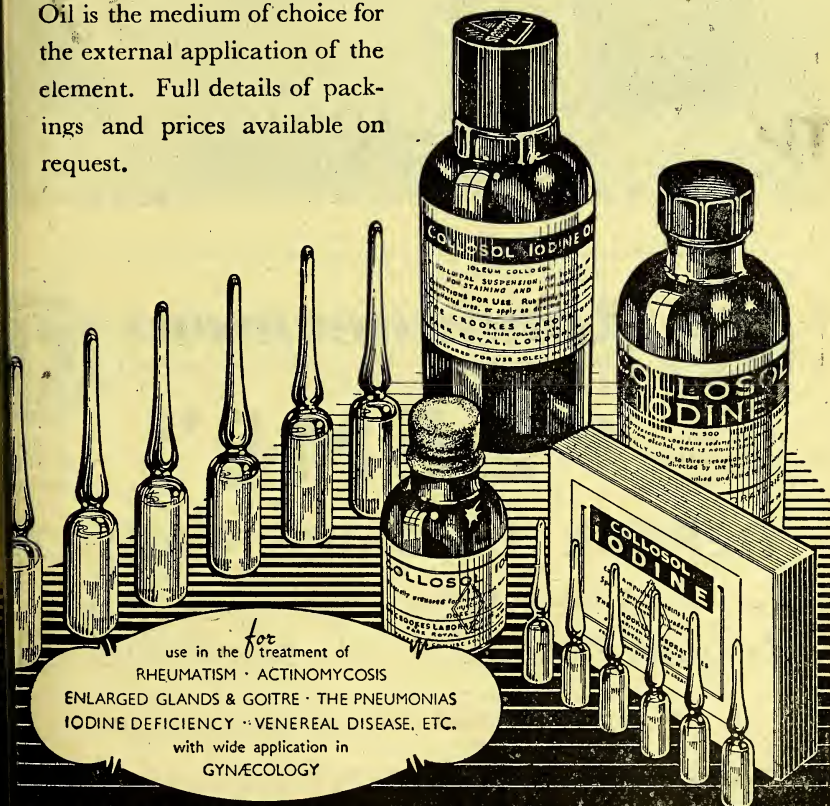
**PUNCH THE LEADER SUNDAY DISPATCH
SUNDAY CHRONICLE STAR EVENING NEWS
EVENING STANDARD** and in 35 Leading Provincial Newspapers.

MEGGESON & CO., LTD., LONDON, S.W.

MEGGEZONES
FOR COUGHS, COLDS, CATARRH
1/6 FROM ALL CHEMISTS

Collosol Iodine Crookes'

Iodine, in one form or another, is one of the most constantly prescribed of elements. Its exhibition is, however, attended with certain disadvantages which are completely overcome if *Collosol Iodine* is employed. *Collosol Iodine* may be administered by the oral, subcutaneous or intravenous route without danger of toxic manifestations or of iodism. *Collosol Iodine Oil* is the medium of choice for the external application of the element. Full details of packings and prices available on request.



use in the *for* treatment of
 RHEUMATISM · ACTINOMYCOSIS
 ENLARGED GLANDS & GOITRE · THE PNEUMONIAS
 IODINE DEFICIENCY · VENEREAL DISEASE, ETC.
 with wide application in
 GYNÆCOLOGY

CROOKES LABORATORIES (British Colloids Ltd.) PARK ROYAL, LONDON, N.W.10
 ne : Willesden 6313 (5 lines) Telegram : Collosols, Harles, London



VAPLEY
INHALANT

for
COLDS
CATARRH
INFLUENZA

KERFOOT

THOMAS KERFOOT & CO. LTD.
Vale of Bardsley · Lancashire



Member of the
Chemists Friend
Association

Announcement

"ZEMS"



Member of the
Chemists Friend
Association

HERBAL LICORICE TABLETS

THE BEST MEDICATED TABLET FOR
COUGHS, COLDS, ASTHMA, BRONCHITIS, ETC.

We have now joined Chemists Friend Association

SUPPLIES MAY BE OBTAINED FROM C.F. WHOLESALE HOUSES

ZEMS, LTD., 718-724 SEVEN SISTERS ROAD, LONDON, N.15

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The demand for Serocalcin is greater than ever this year

What about your stock?

Nothing is more annoying to the pharmacist or more disappointing to his customers than to be "out of stock." Like you, we want to avoid this where Serocalcin is concerned, and we are doing our very best to make the distribution as even and fair as possible. If you will co-operate with us in ordering early—now—disappointment can be avoided.

SEROCALCIN PREVENTS COLDS

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Prevention is better than cure

The common cold is a source of danger. Coughs and sneezes spread diseases and lower the vitality of the Nation. Our National advertising stresses the efficacy of Penetrol Inhalant in the prevention of infection, and emphasises the importance of everyone keeping fighting fit.

A Penetrol display on your counter will ensure you getting your share of the public demand for this well-known proprietary.


PENETROL INHALANT

Retail prices: 2/- & 3/- per bottle
Including purchase tax



W. B. CARTWRIGHT LTD.
RAWDON :: LEEDS





Personal Daintiness


Personal daintiness and complete self-confidence as well as the solution of problems which have previously caused general nervous tension amongst women, follow the choice of Rendells' Products for Feminine Hygiene. This important subject is objectively discussed in Nurse Drew's booklet "Hygiene for Women"—free from any chemist.

NURSE DREW, VICTORIA HOUSE,
SOUTHAMPTON ROW, LONDON, W.C.1

RENDELLS
PRODUCTS

FOR FEMININE HYGIENE

APPROVED BY DOCTORS
SOLD BY CHEMISTS




Be guided by NURSE DREW

Every woman knows the familiar face of Nurse Drew. Women's magazines, national newspapers and periodicals of every kind carry Rendells announcements regularly. Display Rendells show material prominently and share in the wide-spread demand for Rendells products.

Rendells

PRODUCTS

FOR FEMININE HYGIENE

PILLS · TABLETS · PILLS · TABLETS

PILLS · TABLETS

The
Specialists
in the
manufacture
of
PILLS
and
TABLETS



Behind the
production of
COX products
lies over a
Century of
Research
and
Experience

ESTABLISHED 1839

PILLS · TABLETS · PILLS · TABLETS

MOORE MEDICINAL PRODUCTS LIMITED



MANUFACTURING CHEMISTS
ABERDEEN and LEEDS



7 Bon-Accord Square, Aberdeen
Oct. 24, 1942

Dear Mr. Chemist,

SPEROLA

Are you interested in a really efficient prophylactic and spermicidal tablet? If so, we can confidently recommend this product.

SPEROLA is non-poisonous and does not contain quinine or chinolol, neither does it contain cocoa-butter or any other greasy substance.

SPEROLA is a scientific product and is unique in having fourfold security.

SPEROLA is packed in glass tubes each containing 12 tablets and these retail at 3/- per tube, complete with carton and four-page descriptive leaflet.

ON ORDERS FOR 3 DOZ. WE OFFER YOU A SPECIAL DISCOUNT OF 40% POST FREE.

Send us your order now. Alternatively, we will gladly send you descriptive leaflet in the first instance.

SPEROLA is not subject to Purchase Tax.

Yours very truly,

MOORE MEDICINAL PRODUCTS LTD.

"National" Dispensing Bottles

are Strong, Serviceable and Sure-sealing !

NEATLY PACKED IN 6 DOZEN
NON - RETURNABLE CARTONS

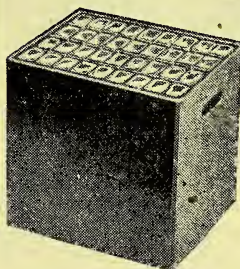
- ★ CONVENIENT IN SIZE
- ★ EASY TO HANDLE
- ★ UNIFORM IN QUALITY

ALSO . . . Cork mouth bottles
WASHED & PAPERED
Screw mouth Bottles
WASHED & CAPPED

SCREW CAPS SUPPLIED in
WHITE-ENAMELLED METAL



NATIONAL" Production



Vials

of "NATIONAL" quality

Range in size $\frac{1}{2}$ oz. up to 3 oz.
Plain or teaspoon graduations
Medium and tall types

MANUFACTURED IN BEST QUALITY
WHITE FLINT, AND PACKED IN FREE
NON-RETURNABLE CARTONS



Restrictions outside our control, may
not allow us to meet every requirement

National Glass Works (York) Ltd.

Works: FISHERGATE, YORK
Telephone: York 3021

London Office: 105 HATTON GARDEN, E.C.1
Telephone: Holborn 2146

WHOLESALE ONLY

There by—!

NOT ONLY HANGS A TALE BUT AN OPPORTUNITY



Scenes from the film "There by—!" which demonstrates how 'BiSoDoL' eases the daily round, especially under war-time conditions.

The makers of 'BiSoDoL' have pleasure in
Announcing...

that a 5½-minute film entitled "There by—!" featuring 'BiSoDoL' Antacid-Digestant, is being shown at Odeon and other cinema throughout England, Scotland and Wales during September, October and November. The film will be (or has been) shown at least three times each week day—as detailed on facing page.

Requesting...

We should appreciate your co-operation—to our mutual benefit—in arranging for window and/or counter displays of 'BiSoDoL' to be made either during or following the period of the film-showing IN YOUR DISTRICT. Thus, we are confident, YOU will secure your full share of the INCREASED LOCAL SALES of 'BiSoDoL' which will result. We would stress the mutual gain from 'point of sale' displays—especially as the film will be seen by approximately

5 MILLION CINEMA-GOERS
by the end of 1942.

BiSoDoL

(REGD.)



★ DISPLAY MATERIAL

A limited number of showcards, etc. is available if you have insufficient 'BiSoDoL' display material on hand. If you are willing to make a 'BiSoDoL' "tie-up" display and require Showcards, etc., they will be sent promptly in response to a postcard to the sole distributors:—

KOLYNOS (Sales) LTD., 12, CHENIES STREET, W.C.1.

*Is it being
shown at
YOUR local
cinema?*

Impress upon everyone concerned that all switches should be left OFF whenever possible. Even the small amount of current used by

MAZDA
LAMPS
is worth saving for the Nation



B T H for all Electrical Plant and Equipment

THE BRITISH THOMSON-HOUSTON CO., LTD., CROWN HOUSE, ALDWYCH, LONDON, W.C.2.

The 'BiSoDoL' Film 'There by-!' at these CINEMAS :-

*All dates are week commencing. (Most are 6-day bookings. Some are, however, 3-day bookings commencing either Monday or Thursday of the week indicated).

EVEN IF THE FILM HAS ALREADY APPEARED RECENTLY IN YOUR DISTRICT.

**More and
more women
every day**



More and more women every day are being drawn into services demanding strenuous non-stop activity *every* day of every month. No wonder that Tampax sales are going up. Women at work discover the difference Tampax makes—in comfort, confidence and convenience. Present supplies are available to meet the need and Tampax displayed in your window and on your counter will assure rapid turnover—and a regular repeating demand.



TAMPAX
TRADE TERMS
(P.A.T.A. PRICES)

Wholesale Retail
Packets of 3. 5/3 doz. 7d. pkt.
" " 10. 15/9 " 1/9 "

Manufactured in England by
Tampax Limited, Belvue Road, Northolt, Middlesex.

Sole Distributors **SPLENDOR LTD.** 5 Beasmarket Hill,
Nottingham, & 7c Lower Belgrave Street, London, S.W.1

ZEAL

Clinicals

The Choice
of Experts

BRITISH
MADE

NO HIGHER
IN PRICE THAN
NONDESCRIPT
MAKES

Also Household, Bath
and Works Thermometers,
the best of their kind

G. H. ZEAL LTD.
LOMBARD RD., MORDEN RD.,
LONDON, S.W.19
Phone: Liberty 2283-4-5



ARTHUR BERTON LTD
BRITANNIA HOUSE
256/260 OLD STREET, LONDON, E.C.

**SURGICAL
DRESSINGS
SANITARY
TOWELS
SPONGE BAGS
POWDER PUFFS
ETC.**

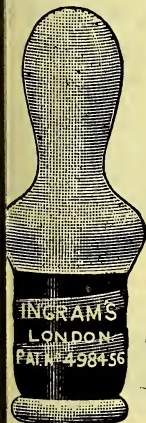
ESTABLISHED 185

INGRAM'S NEW PATENT GREEN BAND TEAT

An addition to Ingram's Original "AGRIPPA" SERIES



No. 1
'Agrippa'
shape



No. 3
'Bulb Top'
shape

THE SPIRAL

GREEN BAND TEAT WITH A ROLLED END

The Harder the teat is pulled the tighter it grips.

Fits on practically all feeding bottles.

The Patent "Spiral" Band is now fitted to Ingram's four popular shapes.

ON THE P.A.T.A.

from all Wholesale Houses.



Valve



No. 2
'Cherry Top'
shape



No. 4
'Ball Top'
shape

J. G. INGRAM & SON, Ltd.

(Established in 1847)

The London India Rubber Works, E.9

No Shortage of Supplies!

GYNOMIN

REGD. TRADE MARK

The question of contraceptives is probably one of the most difficult that you may be called upon to answer. You can recommend only a preparation which has been tried and tested and found absolutely reliable by the Medical Profession for the past 25 years. You can with confidence recommend Gynomin.



Ethical Literature available on request.

COATES & COOPER LTD
NORTHWOOD · MIDDLESEX · ENGLAND



**OUR PUBLICITY WILL
BRING NEW CUSTOMERS
TO YOUR PHARMACY**

**RETAILS AT
3/6
PER TUBE
OF 12 TABLETS**

COSMETICS LABELS

To Comply with the Cosmetics Order

OWN NAME—OR STOCK

and

NAME AND ADDRESS SLIPS

Wm. SESSIONS LTD., THE EBOR PRESS, YORK

USED

**TEA CHESTS, CARTON
WOOD BOXES
GUM TAPE**

LARGE STOCKS CARRIED

The Buckinghamshire Paper & Box Co. Ltd
Devonshire Works, Chiswick, London, W.

Phone: Chiswick 2954/5/6

If you require . . .

ESSENTIAL OILS & PERFUMERY COMPOUNDS

for Cosmetics, Lotions and all other purposes

. . . please apply to

Samples on request

O.S. DANIEL & CO LTD
116 FENCHURCH STREET, LONDON, E.C.3

PHONE
ROYAL 5834

SPECIALISTS IN THE MANUFACTURE OF

TABLETS & PILLS



Also... AMPOULES · EMULSIONS · EXTRACTS
INFUSIONS · OINTMENTS · SUPPOSITORIES.

PROPRIETARY AND OWN FORMULA PILLS AND TABLETS

*We invite enquiries from Wholesalers and Exporters for all
classes of Pharmaceutical Preparations in bulk or packed*

RICHARD DANIEL & SON, LTD., DERBY.

TELEPHONE: DERBY 4266/7/8

TELEGRAMS: DANIA DERBY

GLASS BLOWING

OF EVERY DESCRIPTION

MEDICAL, SURGICAL AND LABORATORY

BENCH BLOWN GLASSWARE

G. J. AIMER & CO. 56-8 ROCHESTER PLACE
CAMDEN RD., N.1

TEL. 3618

DRUGS, GALENICALS, PROPRIETARIES

Makers of 'Vitasac'

R. SUMNER & CO. LTD.

HANOVER STREET · LIVERPOOL, 1

S.124

Makers of COMPRESSED TABLETS

for the Manufacturing and Wholesale Trade only

The DALES ASPIRIN COMPANY (H. A. TOLKIEN) PROPRIETOR

Output of Saccharin

and Aspirin Tablets sold for some months ahead

SILSDEN, Nr. KEIGHLEY, Yorks.

LABELS

Specialists in the
Design & Printing
of Medical & Toilet
Labels - Send for
Free Sample Ranges

PARILLON PRESS Ltd BOURNEMOUTH

Artists in the Production of Fine Labels



Essential Needs Come First *but we haven't forgotten YOU*

National Cash Registers on essential work have a priority claim on our servicing facilities. New machines are scarce.

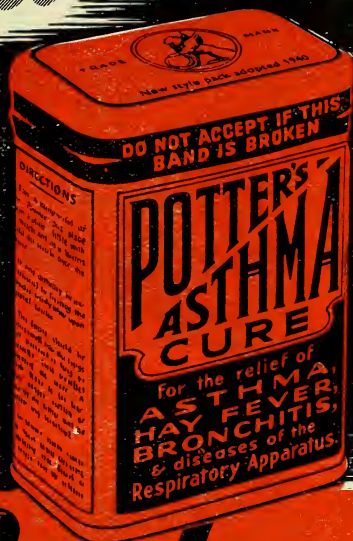
You appreciate that these are factors beyond our control. We realize it is imperative that your National Cash Registers

should be in perfect working order.

Therefore, arrangements have been made so far as is possible to service Nationals wherever they may be. For the time and labour saved by every National Cash Register is helping the war effort.

The National Cash Register Company Ltd.

Potter's



Asthma Cure..

Price 2/2 per tin
(Including Tax)
Wholesale 18/- per doz.
(Packed in half doz.)
Plus 3/- per doz. Tax

**AN ESSENTIAL LINE FOR EVERY CHEMIST THIS WINTER.
THIS WIDELY KNOWN AND RELIABLE REMEDY HAS WON
THE APPROVAL OF THE PUBLIC... A GOOD LINE FOR YOU!!**

POTTER and CLARKE LTD

60-64 Artillery Lane, LONDON, E.1
77 Dantzic Street, MANCHESTER, 4

'Phone: B1Shopsgate 4761 (6 lines)
'Phone: B1Ackfriars 8734



Never forget to put **PARMINT** on your order

Despite all our foresight, even such famous old favourites as Parmint are in short supply. But one thing you can be sure of—if you place an order for Parmint now, you will receive it as quickly as is humanly possible, and the sooner you place your order, the sooner you will get the goods.

This is the Parmint season. Take full advantage of our heavy and consistent advertising.

C.F. & P.A.T.A.

INTERNATIONAL LABORATORIES LTD.
CHARLBURY **OXFORD**

T.N. Charlbury 29

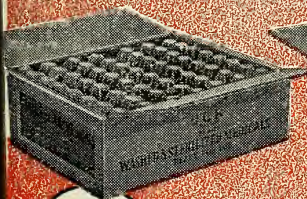
GREATER
THAN EVER IS THE
DEMAND FOR



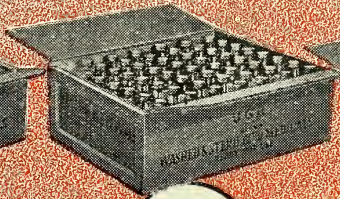
PERFECTED
WHITE
CAP

U.G.B.

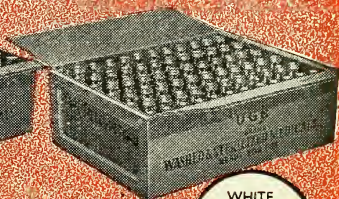
MEDICAL BOTTLES



CORK
MOUTH



WHITE
ENAMELLED
METAL
SCREW-CAP



WHITE
KORKALITE
MOULDED
CAP

WASHED AND STERILISED
—READY FOR USE—
THE IDEAL
DISPENSING BOTTLE
IN ANY EMERGENCY

UNITED GLASS BOTTLE
MANUFACTURERS LTD.

*The Largest Manufacturers of Glass Bottles
in Europe*

8 LEICESTER STREET, W.C.2

Telephone: GERrard 8611 (10 lines)

Telegrams: Unglaboman, Lesquare, London

Your STANDARD OF RELIABILITY



Insist
on - **StaffAllens**
GALENICALS

STAFFORD ALLEN & SONS LTD. WHARF ROAD, LONDON, N.I. Phone Clerkenwell 1000 (7 lines)

* A great demand—
* A good profit—
* Are you stocked?

With so many more thousands of people engaged upon unaccustomed manual work resulting in frequent minor injuries, the need of ointment that is antiseptic AND healing is constant and urgent. An intensive press advertising campaign in London evening newspapers, provincial dailies and weekly illustrated publications is telling the public how Snowfire Ointment meets today's needs. In view of the ever growing demand for Snowfire Ointment, you are strongly advised to make sure your stock NOW.

ALLS — CUTS, BURNS, SCALDS, SCRATCHES, INFLAMMATION

JARS
Selling at 1/-
(including Purchase Tax.)
Manufacturers
F. HAMPSHIRE
& S. LTD.,
Chemists,
SYNDALE
DRY.



THAT LITTLE
That cut may become infected...

That scratch may get worse...

That cut may cut your war effort...

It may become some if you neglect it or it may interfere with your work — and then your output may suffer too. Treat the cut with Snowfire Ointment immediately, then you have given first aid and commenced healing all in one! Snowfire is the ointment that is antiseptic AND healing. Always keep a jar handy.

FIRST AID
Snowfire Ointment for cuts, burns, scalds, scratches, chapped hands, inflammation.

Snowfire Ointment

'B·F·I'

Antiseptic Surgical Dusting Powder



'B·F·I' powder is soothing and promotes healing through a unique combination of the following properties :

ANTISEPTIC	Definite bactericidal power against Staphylococcus aureus and other pyogenic organisms.
PROTECTIVE	Excellent spreading and clinging power due to the presence of bismuth-formic-iodide and bismuth subgallate.
ASTRINGENT	Astringent properties derived principally from alum and zinc sulphocarbolate.
ABSORBENT	Absorbs excessive discharges without caking or forming hard crusts.
SOOTHING	Tends to allay irritation through protective action of bismuth compounds.

As a simple remedy for the treatment of cuts, scratches, abrasions and other superficial injuries common in the home, factories and camps, 'B·F·I' powder has been a leading *antiseptic surgical dusting powder* for over 43 years. You can rest assured that you are building a steady profitable turnover for yourself and that you can sell no finer product than 'B·F·I' powder.

Sharp & Dohme Ltd

MULFORD BIOLOGICAL LABORATORIES

HODDESDON

HERTS

you make tablets, the

MANESTY

OSCILLATING GRANULATOR

is a necessity

MATERIAL to be compressed should be in the form of uniform granules, otherwise irregularities in the tablets will result. Granulation can be done by hand, such a process is slow. The Manesty Oscillating Granulator does the work of four to six operators and produces granules of uniform size. Its output is about 150 lb. per hour, and thus greatly reduces time and your costs. The size of the granules can be varied by the size of the screen. Three stainless steel wire screens provided with each machine—8, 10 and 12 mesh.

In the preparation of granules from powdered material the Manesty Oscillating Granulator is the most efficient economical machine yet devised, but it can also be used for obtaining granules from lumpy or crystalline materials. Crystalline substances are not always in a suitable form for compressing into tablets as the crystals are rarely uniform in size. By passing through a Manesty Oscillating Granulator, the crystals, unless the material is very hard, are broken up and granules formed.

One of the reasons why the Manesty Oscillating Granulator is

preferred is that it gives uniform granules of any desired size.

Working parts are made of stainless steel, wear is minimised, and contamination of material eliminated.

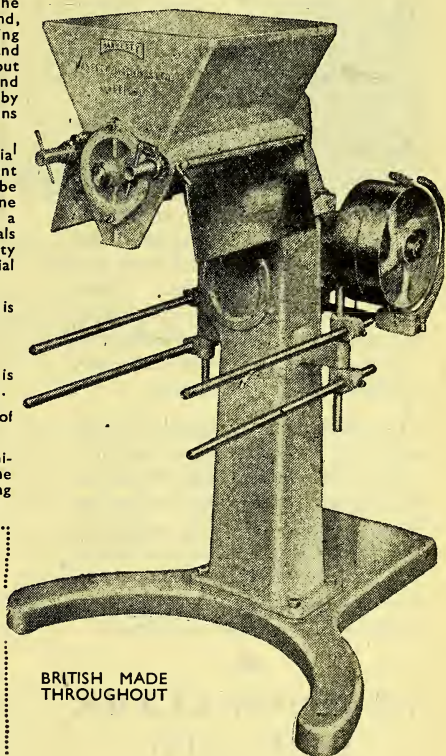
It does the work of four to six operators at a fraction of the cost.

Granulation maintenance charges reduced to a minimum, and the saving in bench and floor space alone justifies the installation of a Manesty Oscillating Granulator.

SPECIFICATION

Height 4 ft. 2 in.
Floor space 39½ in. × 32 in.
Pulleys 10 in. × 2 in.
Capacity 150 lb. per hour (approx.)
Speed 480 r.p.m.
Power required 1 h.p.
Lubrication Grease gun
Weight, Net 311 lb.
" Gross 500 lb.

SELF-CONTAINED MOTOR DRIVE CAN BE SUPPLIED IF DESIRED



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WE have been compelled by circumstances to decline substantial business which has offered itself in bottles and jars for toilet preparations and other products which can scarcely be regarded as essential.

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A FAIR apportionment of our output is the goal we have set ourselves, and we ask our friends to accept our assurance that we are, as always, mindful of their needs, and are giving the best service which lies in our power, bearing in mind that priority must be given to government and export supplies.

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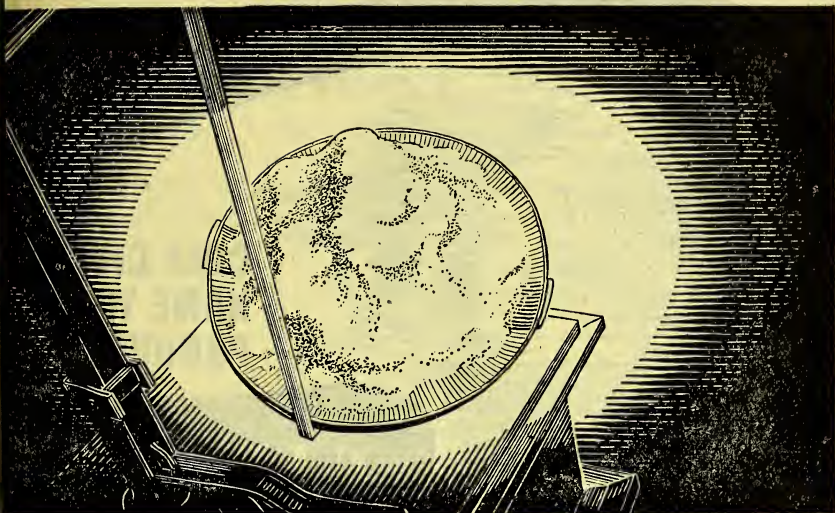
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BC. 39



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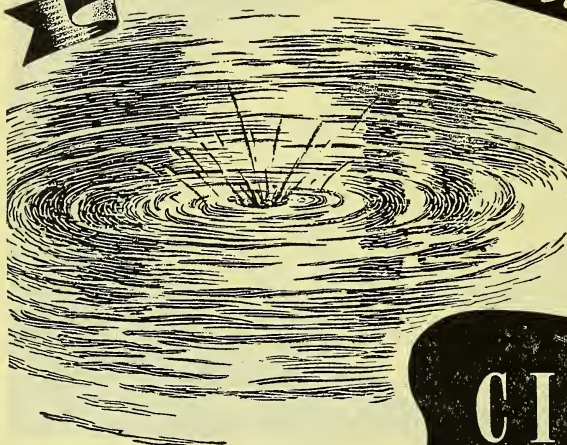
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NEWS OF THE WEEK

Returns of Manufactured Foods.—The Ministry of Food reminds manufacturers of food packers of foods subject to the Manufactured and Pre-Packed (Foods) Regulations, 1942, that returns of manufacturing and packing operations must reach the Ministry by October 31. The returns must be in a prescribed form, of which copies are obtainable from the Ministry of Food, Licensing Panel, St. Tudno, Colwyn Bay, to which address all inquiries should be made and the completed form sent. A separate form is necessary for each article.

Purchase Tax Liability.—The following notices regarding the liability of certain articles to tax are published as supplements to those already given in Notices No. 7 and No. 78A. Under Class II (b) the rate of tax is chargeable on all types of cinematograph projector using subminiature film; optical lantern, epidiascope and other optical projectors using glass, sub-standard or standard film in the form of short lengths of film or film slides, or other slides suitable for the optical projection of

pictures, photographs, diagrams, etc.; and all types of photographic enlargers including those designed for professional use. Cinematograph projectors using cinematograph film of standard width are not chargeable.

Toilet Preparations Control.—THE SALE BY RETAILERS OF LABELLED GOODS. The Board of Trade wishes to draw attention to the fact that on and after November 1, 1942, no person shall sell or offer for sale by retail any article controlled under the Limitation of Supplies (Toilet Preparations) (No. 4) Order (including face powder and toilet dusting powder) unless at the time of the sale (or the offer for sale) the container in which, or from which, that article is sold or offered is labelled with the name and address of the actual manufacturer or licensed packer, as required by the Order. This rule applies even when the retailer has obtained the goods from his supplier at a date before November 1. **PACKERS' LICENCES.** The Board wishes to state that no application for a packer's licence received after November 1, 1942, will be considered.

Export Licensing Extension.—The Board of Trade, in issuing the Export of Goods (Control) (No. 40) Order, 1942 (S. R. & O., 1942, No. 2101, price one penny), which comes into force on November 2, extends control to fancy glassware, clinical thermometers, plumbago crucibles; feathers and down; additional metal manufactures, machinery and chemicals.

Edible Oil Withdrawn.—The Ministry of Food states that the small quantity of edible oil that has been available up to the present for household consumption will no longer be distributed. Olive or groundnut (arachis) oils will be available from chemists for certain medicinal purposes, but only against a doctor's prescription. To meet the requirements of vegetarians and orthodox Jews, a vegetarian-kosher cooking fat will be distributed and will be available up to the amount of the cooking fat ration (2 oz.) to persons whose pages of coupons headed "butter" have been stamped "vegetable margarine" on surrender of their bacon coupons.

Licence Required to Make Lacquer.—The Minister of Supply has made the Control of Paint, etc. (No. 3) Order, 1942, which provides that after October 19 no person may acquire raw materials for the manufacture of paint, varnish lacquer or distemper and sell the resultant product unless he holds a licence issued by the Ministry of Supply. The provisions of the Order do not apply to persons who make less than 5 gall. or 1 cwt. of paint, etc., in a calendar month. The Control of Paint, Lacquer and Varnish Nos. 1 and 2 Orders are revoked. Copies of the new Order, (S. R. & O., 1942, No. 2074), which came into operation on October 19, may be obtained from H.M. Stationery Office, London, price one penny.

Black Currant Syrup and Purée.—Last year black currant syrup and purée were included in the Ministry's vitamins scheme. They are now being replaced by orange juice. Arrangements have been made for the same quantity of black currants as last year (slightly over 2,000 tons) to be made into syrup and purée for sale through retail chemists for children, invalids, and others who are advised to increase their consumption of vitamin C. The retail price of syrup will be 2s. 1d. for a 13½-oz. bottle, (2s. for a 12-oz. bottle) and of the purée 1s. 1d. for a 9-oz. tin. The bottles contain about two weeks' supply, and the tins one week's. Both syrup and purée will be sold under the manufacturers's names, but will

bear labels which have been approved by the Ministry of Food and the Ministry of Health, indicating the classes of persons (as above) to whom alone they may be sold, the price and the minimum vitamin content. The syrup will contain not less than 20 mgm. of vitamin C per fluid ounce and the purée not less than 24 mgm. per fluid ounce, so that these products will provide a valuable addition to the quantity of vitamin C obtainable from other food. The Ministry of Food appreciates the public spirit shown by the manufacturers of syrup and purée and by the National Pharmaceutical Union, who have assisted in making these arrangements and have agreed to make and distribute these products at the lowest possible prices.

Call-up Recommendations.—The following are the recommendations of the Central Pharmaceutical War Committee regarding the call-up of pharmacists and dispensers born on or after July 1, 1900:—

PHARMACISTS IN THE 30-40 AND DISPENSERS IN THE 35-40 AGE GROUPS

	No deferment	Deferment to 1/10/42 Final	Deferment to 31/12/42 Final	Deferment to 31/12/42 Open with warning	Deferment to 31/12/42 Open
Retail ..	281	287	4	99	4,511
Hospital ..	1	—	3	16	1
Wholesale	5	19	25	31	2
	287	306	32	146	4,814

625

5,041

PHARMACISTS UNDER 30 AND DISPENSERS UNDER 35

	Recommendations for no deferment or periods of deferment which have expired or are about to expire		
Retail ..	2,971	161*	73
Hospital ..	59	39	11
Wholesale	96	—	3
	3,126	200	89
	3,126	1,092	

Total releases, 3,751; total open deferment cases, 6,133; total number of cases dealt with, 9,884.

* Of which 116 are under 25 years of age.

Eire Sea-wrack.—Gatherers of sea-wrack on the coasts of Eire are being paid £3 a ton by the Eire Department of Lands and Fisheries. A total of 1,000 tons is expected to be awaiting shipment at Burtonport, co. Donegal.

Pharmaceutical Society of Ireland.—At a monthly meeting of the council of the Pharmaceutical Society of Ireland on October 13, the following officers were elected: *President*, Mr. John Gleeson; *Vice-president*, Mr. C. Cremen; *Treasurer*, Mr. P. C. Cahill. Report of annual meeting of society, p. 419.

Trade Union Act Amendment.—A Bill shortly to be introduced in the Dail ann amends the Trade Union Act, 1907, to exempt certain bodies from the necessity of holding a negotiating licence. One of the bodies listed is "an apprenticeship committee established under the Apprenticeship Act."

Saturday 6 p.m. Closing.—A meeting of the Chemists and Newmains, Lanarkshire, Pharmaceutical Association, held recently, decided that local chemists should close their premises at 6 p.m. on Saturdays, in order to contribute to the effort to save time and fuel.

Paper Saving Exhibition.—An exhibition organised by the Waste Paper Recovery Association under the title of "Design for Economy—Paper in Battledress" was opened in London on October 13. The exhibition demonstrated the considerable economies that can be effected in the use of paper with no loss of business efficiency. Business houses, large retail stores, banks, lawyers, manufacturers and Government departments showed how they have taken part in the paper saving campaign.

Irish Chemists' Golf.—The final outing of the Irish Chemists' Golfing Society during the 1942 season was held at the Down Golf Club, co. Dublin, recently, when the competition was for prizes presented by Kodak, Ltd., and Aspro, Ltd. The results were: *Strokes Competition*: Mr. F. J. Roche, 7 (74); J. Smyth, 12 (75); Mr. M. Costelloe, 10 (75). *Shot Holes*: S. Savage. *Bogey Competition*: B. R. Smith, 5 (2 down); J. Daly, 20 (3 down), won on second nine. T. P. Walsh, 15 (down). At the close of play supper was served in the club-house, followed by a meeting over which the captain (Mr. F. J. Roche) presided. The toast of "Eire" having been honoured, Mr. M. Costelloe

proposed the health of the captain and congratulated him on having so successfully conducted the affairs of the Society in a trying year. Mr. H. J. McDevitt, Ballinamore, co. Leitrim, joined heartily in the congratulations. The captain, replying, expressed thanks to members for support given during his year of office. On the proposal of Mr. P. McAuliffe, seconded by Mr. W. R. Such, a vote of thanks was passed to the Milltown Golf Club for the use of their course. Thanks to the donors of prizes was voted on the motion of Mr. B. R. Smith, seconded by Mr. J. Smyth. Members of the Society then presented the captain with a dinner service to mark the occasion of his recent marriage, Mr. Costelloe making the presentation. Mr. Roche suitably replied.

Wimbledon Pharmacists' Association.—A meeting of the Wimbledon Pharmacists' Association was held on September 30, at which a discussion took place on the Pharmaceutical Society's War Aid Fund. A proposition by Mr. FENTON that a penny-in-the-pound scheme, as carried out by certain Pharmaceutical committees, should be recommended to the Surrey Pharmaceutical Committee, was seconded by Mr. H. THOMAS and carried. Mr. C. J. R. PRETTY proposed that an individual collection should be made from each pharmacist in the area, and this was also agreed. THE CHAIRMAN (Mr. Thomas James) gave details of an anti-invasion scheme to be carried out in the area, in which local pharmacists had been asked to co-operate. Arrangements were left to the committee. Mr. J. C. YOUNG (a member of the Pharmaceutical Society's Council) then discussed: "What Does the Future Hold for Retail Pharmacy?" He urged that pharmacists needed to think of the changes they would like to see in pharmacy after the war. Great changes were pending and pharmacists wanted to take their rightful place in the medical services of the country. The speaker suggested that chemists' shops should consist of two distinct departments: one for pure pharmacy and the other for toilet and photographic supplies, etc. A twenty-four-hour dispensing service could be carried out without chemists putting in longer hours. Discussion followed the address. At an extraordinary meeting of members held prior to the main meeting a decision was approved to alter the Association's financial year so as to end at May 31.

TOPICAL REFLECTIONS

Small Retailers' Supplies

When the third report of the Retail Trade Committee set up by the Board of Trade was issued, you pointed out (*C. & D.*, July 4, p. 15) that if the Committee had tried to hold the balance fairly between small individual retailers and large trading bodies, it had failed. The statement of the President of the Board of Trade printed on p. 400 shows that the Board has now recognised the existence of a difference between the two classes. On this recognition the Board is to be congratulated. It is true that the statement in the House of Commons deals mainly with a single point, the allotment of supplies to businesses; but the fact that the service rendered to the community by small retailers is judged worthy of Government support is a distinct gain. When a minister of State goes so far as to say that "some positive action is needed to assure to the small retailer his fair share of the available supplies," we are not without hope that some positive action will follow. And when he tells us that he does not want to make fresh orders if he can get the same results by voluntary methods, we note with satisfaction this evidence of a healthy attitude. There will, no doubt, be a period of trial and error before an equitable method of distribution is agreed upon; but if those most concerned are allowed to attack the problem in a practical way, there is no reason why available supplies should not be fairly proportioned to individual needs. We are well aware that supplies will inevitably become scantier.

Calls on Man-power

The proposed cancellation of deferment in respect of male pharmacists and dispensers up to the age of twenty-five brings up for consideration, as you point out (p. 399), a difficult problem. On the face of it, this course seems to cut across the taking of a census envisaged in the Pharmacy Undertakings Order published on p. 385. Is the census to precede the cancellation of deferment, or the cancellation of deferment to precede the census? There may be some explanation of this apparent discrepancy; but however this may be, I fail to see that an adequate dispensing service can be provided for the general public if more pharmacists are to be taken away from their proper vocation. I use the word "proper" deliberately: for just as it is beginning to be realised that public means of transport

have been reduced in a potentially dangerous degree, so it will have to be realised and, I trust, before substantial harm has been done—that there must be a sufficient number of pharmacists in charge of dispensing if that service is not to break down. Such a failure would occur at first in single and perhaps widely separated areas. If it might become general, and might therefore cause a situation that would be beyond effective remedy. The idea that young graduates can safely engage in such work after their months' training is too ridiculous for serious discussion.

Chemists meet Confectioners

The result of the meeting of chemists and confectioners at Blackburn (p. 3) will be awaited with interest; and it may happen once more that, as an old saying has it, what Lancashire thinks too good for England will think tomorrow. A frank discussion of a problem of this kind, involving an attempt to reconcile different points of view for practical purposes, is certain to produce a good result, even if not the precise result expected. Some types of confectionery are definitely medicinal: others are definitely outside the range of medicinal. Occasionally I have seen small packets of chocolate for eating shown in pharmacies. The intention was, presumably, to let customers should on seeing them be induced to part with some or all of their savings; but it would be difficult to defend the practice as pertaining to the business of a chemist and druggist. The borderline cases are likely to give the most trouble. Guimauve lozenges; the at-present scarce or unobtainable range of products based on liquorice juice; lavender lozenges; peppermint confectionery; ginger lozenges—these are these to be classed? It should not be beyond the collective wisdom of Blackburn traders to arrive at a friendly understanding.

Parsley and the Kitchen Front

One inference to be drawn from paragraph "Vitamin C in Parsley" is that the duration of the war the patriotic should eschew parsley sauce, which involves chopping and cuts by one-fifth the vitamin content, and use the herb only whole. Lovers of horseradish sauce may be relieved that a similar discovery has not been made about this root, which yields its full, delectable pungency only at shredding.

Xrayser

LEGAL REPORTS

Sale of a Cordial.—At Newcastle-under-Lyme, recently, Joseph Austin, trading under the style of "Vitronics," was summoned under the Food and Drugs Act in respect of the sale of a cordial. It was stated by the prosecution that the product contained 99.6 per cent. of coloured water which had been added a little phosphoric acid, saccharin and preservative, whereas cordial should contain about 50 per cent. syrup, a flavouring of fruit essence, a little vegetable acid and a small amount of colouring matter and preservative. Defendant was fined £40.

Misleading Advertisement.—Hills & Co., Ltd., Wolverhampton, were fined £25 by the local police court recently on a summons for selling a bottle of artificial lemonade described by an advertisement as "lemon fruit," which advertisement falsely described the food or was otherwise calculated to mislead. A similar penalty was imposed for a like offence regarding an advertisement "lemon squash."

The prosecution alleged that large advertisements were placed over a counter of bottles describing "lemon squash" and "lemon fruit." Labels on the bottles described their contents fairly accurately. The complaint was not in respect of the labels on only of the advertisements. The manager of the branch said that when he received the consignment of drinks describing them as "cordials" he doubted that was the proper legal description, and wrote to his head office for a ruling on the matter. New labels were affixed correctly describing the goods and advertisements drawn up showing them as "summer drinks." These during the season had become soiled, and new ones had to be drawn up. He said he was not aware the new advertisements were worded other than in the same manner as the first until the inspector told him about them.

Distribution of Advertising Circulars.—An interesting point with reference to the restrictions upon the distribution of advertising circulars was raised in a prosecution at North London Police Court on October 14. The International Chemical Co., Ltd., 15, Wyndham Road, London, N.16, was summoned under Article 6 (1) (a) of the Control of Advertising (No. 36) Order, 1941, for gratuitously distributing approximately 14,000 advertising circulars relating to Alkalis and Salts. The defendants pleaded not

guilty. For the prosecution, it was stated that the circulars were sent out on July 21. The notepaper used had been printed before the coming into force of the Order but the wording of the circular, apart from the letter-heading, was done in the office of the company, by the multigraph process, after the Order came into force. The prosecution contended that the circular was made and distributed after the Order had come into force. An investigating officer of the Ministry of Supply said he was told that all the advertising matter sent out by the company had been restricted to three-twentieths of their pre-war amount. He verified this and found it to be correct.

Counsel for the defence said the view which had been taken was that the circular was made when the paper was printed. The substantial offence was the use of paper and when the paper was printed it was brought into use. Miss Simmons, who is in charge of the defendant company's advertising, said she had read the trade papers and attended meetings at the London Chamber of Commerce and had taken the view that they were entitled to send out circulars to the extent of three-twentieths of the amount they sent out in any three months of the years before. They had kept well within this limit.

The magistrate said this was an interesting case which might well go to a higher court. He accepted the statement that the defendants had done what they thought to be right. He thought that the view put forward for the prosecution was the right one, however, and under the circumstances there would be a nominal fine of £20.

Proof of a Sale Necessary.—Costs of £10 10s. were awarded to Mr. Aubrey Lewis, trading as Herbert's Drug Stores, Tachbrook Street, London, S.W.1, at Bow Street Police Court on October 14, when two summonses under the Food and Drugs Act, brought by the Westminster City Council, were dismissed. He was accused of selling Vita grape juice containing a prohibited preservative—sulphur dioxide—and giving a label calculated to mislead. The label stated that the preparation contained the concentrated juice of 17½ lb. of vineyard grapes, but according to the analyst's certificate the amount was not more than 7½ lb. Mr. Lewis said that he told the sampling officer, Mr. Kurt Wagener, when he called, that he had bought the

grape juice from a company and was going to have it analysed. Mr. Wagener told him he would have it analysed free of charge, and he was given a bottle without payment for that purpose. He said that if there was anything wrong he would proceed against the manufacturers and that he (Mr. Lewis) would get £2 2s. costs. The bottles were not exposed for sale, but the one was brought from the cellar. Mr. Lewis explained that it was on counsel's advice that he took steps to have the Vita grape juice analysed. Two young women assistants gave evidence for the defence. Mr. Wagener declared that the bottle was on a glass shelf and that he paid 5s. 6d. for it.

The magistrate, Mr. Dunne, said that before Mr. Lewis could be found guilty it must be proved that there had been a sale. At the first hearing, on September 16, Mr. Wagener said he saw the bottle in the shop window. At the present hearing he was recalled and said he saw one bottle on display at the back of the counter on a glass shelf behind a partition. That, perhaps, would be sufficient to raise a doubt, but Mr. Lewis's evidence on the point was supported by his two assistants. "I am not going to say Mr. Wagener has deliberately lied," the magistrate went on. "I am unable to say the evidence is sufficiently conclusive either way. But the fact that his evidence has differed in an important and material particular does introduce an element of doubt of which Mr. Lewis must have the benefit."

Dangerous Drugs Act Offences.—At Worthing, on October 14, Dr. Richard Morton Geldart was fined a total of £90 on six summonses for failing to enter in a register particulars respecting dangerous drugs.—At Liverpool Police Court, on October 14, Cheong Man was accused of being in possession of opium and opium-smoking utensils. A fine of £10 was imposed.—At Rochdale, recently, Norman Chapburn, Joseph H. Chapburn, and William Taylor were accused of stealing drugs and surgical instruments, but all the property had been recovered. Norman Chapburn was sentenced to six months' imprisonment and fined £50, and the others to four months' and three months' respectively.

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the under-mentioned articles will be appreciated:—

DF/37. Lyseptol (for sterilising surgical instruments).
SH/40. Lylax powder compact—maker's name required.

TRADE MARKS

(From "The Trade Marks Journal,"
October 7)

- "TABLOID" (Defensive Trade Mark Application); for all goods in Classes 1-34, except for certain preparations (1); pharmaceutical preparations (human and veterinary), compounds for sterilising water, surgical dressings and first-aid outfits (5); printed publications (16); sweetening materials (tea) (30); essences and powders for mineral waters (32). By The Wellcome Foundation, Ltd., 183-93 Euston Road, London, N.W.1. 615,596-629. (All Applications refused.)
- "COUPEMILL"; for fertilisers (1). By Couper & Co., 33-35 Eastcheap, London, E.C.3. 620,099.
- Ring and chain device in form of cross within a circle; for soaps (3). By Johnson & Johnson (Gt. Britain), Ltd., 603-4 Bath Road, Slough, 619,762 (Associated).
- "PARNODENT"; for preparations for the teeth and fixatives and cleaning preparations for artificial dentures, non-medicated (3), medicated (5). By Wright, Layman & Upton, Ltd., 44-50 Southwark Street, London, S.E.1. 619,913; 619,923 (Associated).
- "KENI-TABS"; for medicated tablets (5). Charles Kent (Products), Ltd., Helliwell Hallam Street, Guiseley, nr. Leeds. 618,912 (Associated).
- "MAGTRIZ"; for pharmaceutical preparations of substances consisting of or mainly composed of magnesium compounds (5). By Westminster Laboratories, Ltd., 5 Chancery Lane, London, W.C.2. 619,050.
- "KADAMYSIN"; for pharmaceutical preparations for human use for asthma (5). Charles Zimmermann & Co., Ltd., 9 and 11 St. Mary-at-Hill, London, E.C.3. 620,050.
- "ANASCABEX"; for medicated preparation for treatment of the skin (5). By Watkinson Chemical Co., Ltd., 11 Waterloo Place, London, S.W.1. 620,053.

ERRATUM

Evans Sons Lescher & Webb, Ltd., give notice in "The Trade Marks Journal," October 7, that specifications Nos. 619,781-83 should have been advertised as being Associated with the provisions of Section 23.

SPECIFICATIONS CANCELLED

By Cerebos, Ltd. No. 227,704 cancelled in respect of all goods except medicated preparations for human use. Cancelled Nos. 233,334-35; 255,029; 255,036. No. 255,037 cancelled in respect of soap, cleaning and bleaching preparations, stain-removing and other preparations for laundry purposes. No. 255,038 cancelled in respect of all goods except tooth-paste. Nos. 266,000 and 375,328 cancelled in respect of infants' and invalids' foods, fresh fruit, fresh vegetables, nuts, malt, foodstuffs for animals and birds, food preservatives, essential oils, beverages and syrups and other preparations for making beverages.

TRADE NOTES

Liquid Dog-medicine.—Benbow's Dog Mixture Co., Ltd., 26 Copers Cope Road, Eckenham, Kent, suggest that chemists could point out to their customers that Benbow's dog mixture, being a liquid, is easily assimilated.

Steedman's Powders.—John Steedman & Co., 272 Walworth Road, London, S.E.17, announce that their children's cooling powders are now available in a larger packaging for broken-bulk trade. The new box contains 108 powders.

Redoxon Tablets.—Roche Products, Ltd., Welwyn Garden City, Herts., ask us to inform that the retail price of their Redoxon tablets of 50 mgm. is 6s. 6d. per 100 and not as indicated in their advertisement published in the issue of October 3.

Orderable Quantities.—Purchasers of Milton denture powder in £2 bonus parcels may order 2½ doz. 1s. 3d. size and one doz. 2d. size. The value of the bonus parcel is omitted from the advertisement of Milton Antiseptic, Ltd., Chapel Lane, Sands, High Wycombe, Bucks, in last week's issue of the C. & D. (p. 1).

Germicidal Throat Tablets.—Episepts tablets, for germicidal use in tonsillitis, laryngitis, pharyngitis, etc., have been introduced by Episepts, Ltd., Eastbrook Buildings, Leeds Road, Bradford. The speciality is on the Chemists' Friends list, and details of an opening bonus offer are set out in an announcement in this issue.

Double-strength Health Salts.—Adversed under the slogan "Use half as much," Harrogate double-strength health salts have been introduced by Harrogate Tablet Co., Ltd., Harrogate. Lemon-flavoured but sugarless, the product is packed in heat-sealed transparent bags for sale at a popular price. Full details are given on another page.

Advertisement Film Bookings.—A 5½-minute feature film "There by —!" has been prepared by Kolynos Sales, Ltd., 2 Chenies Street, London, W.C.1, to advertise Bi-so-dol antacid digestant, and chemists in the areas in which it is being shown (a list, with dates, appears on another page) are recommended to link up with the publicity by giving window or counter displays.

British-made Sulphathiazole.—Cibazol (sulphathiazole Ciba) is offered as a British-made sulphonamide compound by Ciba,

Ltd., The Laboratories, Horsham, Sussex. The advantages claimed are that the preparation is effective in a wider range of infections than other sulphonamides, and that toxic manifestations such as nausea and vomiting are seldom observed. The speciality is available in 0.5 gm. tablets in bottles of twenty-five and 100 and as a powder in containers of 15 gm.

Supplies Unrestricted.—Chemical & Natural Products, Ltd., Wimbledon Factory Estate, Morden Road, London, S.W.19, offer delivery in about five weeks of Marina silk-screened face powder in five shades, without quota restriction. They have also introduced Scrubb's solid fuel suitable for heating primus stoves, coffee percolators, etc., delivery of which, in boxes of one dozen tablets, takes about six weeks. Under a recent decree they are not permitted to give further regular advices of the supply position of their various specialities.

Points Rationing Values.—Details of the values, under points rationing, of Bickiepegs, Chu-chus, Nibble sticks, Bickiepeg veal bone and vegetable broth, and Fortigen cereal food are given in an announcement elsewhere in this issue by Bickiepegs, Ltd. The principal distributors of the Bickiepegs specialities to both wholesale and retail sections of the trade are May, Roberts & Co., Ltd., Stamford Hill, London, N.16, and branches. S. Maw, Son & Sons, Ltd., Aldersgate House, New Barnet, Herts, act as sub-distributors to the retail trade.

Official Opening of Works Canteen.—Mr. Robert Richards, M.P. for Wrexham and Regional Commissioner for Civil Defence in Wales, opened a spacious canteen at the works of Monsanto Chemicals, Ltd., Cefn, Ruabon, on October 12. A large and representative gathering was presided over by Dr. L. F. Nickell, supported by Mr. A. D. Daysh, Dr. W. H. Garrett and Dr. C. Hamilton Foott. The company welcomed the chairman and members of the Wrexham and Cefn District Councils, the district Inspector of Factories, prominent trades union officials, and representatives of the Ministry of Labour and National Service. The new canteen is equipped with up-to-date appliances and service is on the cafeteria system.

Proprietary Articles Trade Association

Alterations to Protected List.—R. Demuth, Ltd. Spic liquid deodorant. Bonus of thirteen to doz. allowed to retailers on minimum one doz. either large or small sizes. Orders for half

doz. large and half doz. small sizes qualify for bonus of one small size.

J. Grossmith & Son, Ltd. Old Cottage lavender toilet-soap, 3-oz. tab., No. 70, 9d., 6s. 2d. doz., tax 2s. 1d. doz., inclusive retail price 11d. Prices also apply to Golden Still eau-de-Cologne toilet-soap, No. 271.

Sangers, Ltd. Pylitna pile powders. Discount to retailers of 2½ per cent. for cash withdrawn.

Deletions.—*Alfred Fenning's*. Little Healers (or Lung Healers), 1s. 3d. size.

Eli Lilly & Co., Ltd. Sedatussin brand squill-tolu compound.

Milton Antiseptic, Ltd. Milton, 4-oz. and 16-oz. sizes. Milton brand dental cream, 6d. size. Milton brand ointment, 6d. size. Milton brand denture powder, 6d. size.

Parke, Davis & Co. Ammoniated quinine tincture tablets. Cascara Evacuant, 8-oz. and 16-oz. sizes. Chloretone inhalant. Cod liver oil emulsion 33 per cent. with hypophosphites, 5-oz. size. Cod liver oil, standardised, 4-oz. size. Dibexin capsules. Dicalcium wafers, 100's. Fecto, 16-oz. size. Gluco-Fedrin, 4-oz. size. Glycerin suppositories, 6's. Halibut liver oil (plain). Haliverol, 15-c.c., retail 7s. 6d. Hydrated magnesia, 8-oz. size. Hydrogen peroxide solution, 8-oz. and 16-oz. sizes. Lactated pepsin tablets. Olgar. Oral antiseptic tablets. Pepsin tablets, 2-gr. and 3-gr., 25's. Pepsin, bismuth and charcoal tablets. Rennin tablets. Rhubarb and soda tablets. Sodium salicylate tablets. Takazyma, 2-lb. dispensing size. Thermofuge, ½-lb. size. Thyroid tablets, 25's.

William R. Warner & Co., Ltd. Vince powder, 5-oz. size.

Westminster Laboratories, Ltd. Brooklax chocolate laxative, eighteen tablets. G.S. tablets, small size. Bonomint, eighteen tablets.

Oatine Co. Barff's boro-glyceride; Oatine skin tonic.

Phosferine Products, Ltd. Phosferine health salt.

COMPANY NEWS

FIELDS CASH CHEMISTS, LTD. (P.C.)—Capital £100. Chemists, druggists, druggists, etc. Henry Field, M.P.S., and Edna Field, directors. Solicitors: Saunders, Sobell & Greenbury, 194 Bishopsgate, London, E.C.2.

CONSOLIDATED CHEMICALS, LTD. (P.C.)—Capital £300. Manufacturers of and wholesale and retail dealers in pharmaceutical and chemical preparations, etc. First directors to be appointed. Solicitors: A. F. Chamberlayne, 50 Abbeygate Street, Bury St. Edmunds.

GRAHAM TATFORD & CO., LTD. (P.C.)—Capital £2,000. To acquire the business of a manufacturing chemist carried on by Arthur G. Tatford at 95 Hayling Avenue, Portsmouth. Arthur G. Tatford, M.P.S., Richard

G. Tremlett, M.P.S., Leonard J. Evan M.P.S., and Albert V. Glanville, M.P.S. directors.

ADJUSTMENT ORDER.—Hannah Squir drug-store proprietress, 157 Uxbridge Road, Hanwell, London, W.7. Adjustment order under Liabilities (War-time Adjustment Act, 1941, granted October 8.

DELETED FROM REGISTER.—"The London Gazette," October 13, notifies that Drem Products, Ltd.; League of Health Ltd.; and Plastic Compounds, Ltd., have been struck off the Register of Companies.

VOLUNTARY WINDING-UP.—Notice given in "The London Gazette," October 13, that the Claybrook Health Co., Ltd., is being voluntarily wound up. Creditors should send particulars to Mr. H. J. Paterson, 19 Eastcheap, London, by November 9.

PARLIAMENTARY NEWS

Batteries for Hearing Aids.—Mr. V. Brown asked the President of the Board of Trade on October 13 what steps he was taking to ensure a sufficient supply of the special dry batteries necessary for electric amplifying valve types of hearing apparatus.

Mr. Dalton's reply was that his predecessor had arranged that all new hearing-aid apparatus should be made to take a standard battery, which could be supplied without undue difficulty. The present Minister had arranged for an increased and improved production of the special batteries required for apparatus.

Retail Trade Policy.—Questioned in the House of Commons on October 13 about his statement on the Government's retail trade policy (see *C. & D.*, October 17, 400), Mr. Hugh Dalton (President of the Board of Trade) informed Mr. Craven-Elton that the exact use to which the registered retail traders would be put was a matter for further consideration. It was first necessary to define the size of the problem. To Mr. Maxton he said that the nature of the direction that would be given to dealers who were outside the scheme would be to distribute supplies equitably between different purchasers in relation to distribution in the standard year. The firms affected by the direction would not be retailers but wholesalers or manufacturers. He would not be prepared to permit any wholesaler or manufacturer in a scheduled trade to remain outside.

PHARMACEUTICAL SOCIETY of IRELAND

ANY matters of prime importance in Eire pharmaceutical life were discussed at the sixtieth annual meeting of the Pharmaceutical Society of Ireland, held in Dublin on October 12, the president (Mr. P. C. Cahill) in the chair. The meeting was the biggest held for many years, the Council Chamber being filled to its most capacity, while many late arrivals had to stand. The Provinces were particularly well represented.

The report of the scrutineers of the ballot papers, Messrs. H. P. Corrigan and C. Cremen) was submitted on the recent Council elections, following which THE PRESIDENT declared the following seven candidates elected: Messrs. K. Whelan, J. P. Kissane, E. MacSweeney, Brooke-Kelly, M. Costelloe, T. C. Scott, and William Cunningham. (See also p. 413.)

Consultative Committee's Report

In the course of his address THE PRESIDENT said: Towards the end of 1941 the Consultative Committee concluded its deliberations and presented its report to the Council. At each Council meeting since then a considerable amount of time has been devoted to a detailed examination of the report, and about 50 per cent. of the proposals have, with minor additions or deletions, been accepted. Members of the Consultative Committee are somewhat disappointed at the almost complete absence of criticism, favourable or otherwise, of the proposals from members. If the Council is to approach the Government for new legislation members will recognise that it must be in a position to show that its proposals have the approval of the profession, and that members are prepared to assist the Council's efforts with practical support and co-operation. Some of the proposals are of a rather revolutionary nature and there is a desire to know what members think of them. For example, it is proposed to prevent any future formation of company pharmacies and, even more important, to prevent individuals or partnerships from opening branch pharmacies. A disciplinary card, compulsory membership of the Society, and limitation of entry to the profession, are other important proposals. If these are not acceptable to members, now is the time to say so, and not when legislation is being introduced. Having made up their minds, pharmacists would then be in a position to approach the Government without awaiting the termination of the war. They should get in touch as soon as possible with the Government department concerned, in order to have an agreed Bill ready for presentation to the Dáil when the emergency is ended.

Membership

There is again an increase in the number of members of the Society—actually 685, the highest in the Society's history. It is satisfactory that the vast majority of licentiates acting in the twenty-six counties now contribute towards the upkeep of the Society.

The number of licentiates on the register is 1,505—an increase of twenty on last year's figure and another record in the Society's history. The number is, of course, far in excess of the country's requirements, and unfortunately no reduction can be hoped for for some years to come. Indeed, the large numbers attending lectures, coupled with the number of registered apprentices, indicate a substantial increase on the register during the next four or five years. There are two chemists and druggists, and 451 registered druggists, or eighteen less than last year. Qualified assistants, at 892, show an increase of fifty-seven. The majority (574) are also qualified chemists. The percentage of passes in the Society's examinations was about the same as in recent years, and the examiners reported themselves as fairly satisfied with the proficiency of the students. One unfortunate feature has been, of course, the large number of candidates failing in poison law—this despite Mr. Kerr's lectures and his efforts to help students. There is a substantial reduction in the number of preliminary registrations—144 against 205 last year. The future should be regarded in the light of the following figures: In 1929 there were sixty-one preliminary registrations; in 1931, seventy-five; in 1933, seventy-nine; in 1936, fifty-seven; yet the average over the last twenty-two years was 131. Needless to say, the Council takes a serious view of the matter. An effort is being made to raise with members of the Government the feasibility of permitting regulation of the numbers entering the profession. In the meantime members are urged to discourage prospective apprentices, particularly those having no connexion with pharmacy.

Training and Service Conditions

Some months ago the Council set up a special committee to examine the training system and examination requirements. The committee has not yet completed its deliberations, but has already received much advice and assistance from authorities at present or in the past associated with the Society's educational activities. As reported last year, the Army authorities agreed to grant commissioned rank to licentiates serving in the Army in a professional capacity. Unfortunately this concession was not accompanied by corresponding rates of pay, and chemists in the Army have a genuine grievance in that they are the only officers not remunerated in accordance with their qualifications. It is hoped that a satisfactory settlement will be reached in the near future.

Legal Activities

During the year the Council carried out a number of prosecutions against unqualified persons and firms for breaches of the Pharmacy and Sale of Poisons Acts. In every instance the verdict was in favour of the Society. Mr. Cahill said he thought members would agree that, so far as the legal sale of poisons is concerned, the position as a whole is not unsatisfactory.

today. If members think otherwise and will submit definite proof to the Registrar, the Council will not hesitate to take action.

Meetings

Council members have had to contend with tremendous transport difficulties during the year; nevertheless attendances at Council and Committee meetings were completely satisfactory. It should be realised that for Council members living outside Dublin a Council meeting means three days away from business. Despite tremendous difficulties the dance committee organised the annual dance, and a huge success it proved. The amount collected was the largest ever paid into the Benevolent Fund. It is doubtful if members fully appreciate the importance of the work performed by Mr. Collis and his colleagues. These are difficult times for those in business, but they are even more difficult for licentiates unable to obtain employment, and members are asked not to overlook the claims of their own Benevolent Fund.

Tributes to Members

As you know, some of our members achieved considerable success at the recent local and municipal elections. Mr. Joseph Costello (a member of Council) was successful in Galway, and later elected mayor of that city. Another Council member (Mr. P. A. Brady) was elected to the Dublin Corporation. Mr. Michael J. O'Rourke was successful in Dun Laoghaire, where he is now chairman of that Council. These gentlemen are now offered the congratulations of members. During the year at least one independent group of chemists has been meeting to discuss present and post-war problems, and recently Mr. Cahill said he was invited to attend an interesting lecture on "Vocationalism as Applied to Pharmacy," given by the vice-chairman of the Vocational Commission. The tremendous interest taken in the recent Council election is a healthy sign, and demonstrates that members, and in particular the younger members, are prepared to take their part in the work that lies ahead. There cannot be too much organisation, and members will realise that, when the time comes to present legislative claims, success will probably be in proportion to the strength of chemists' organisation.

Paying tribute to the work of Mr. Kerr, the president said that as a result of the work of the Consultative Committee and the special committee dealing with educational matters he had had an exceptionally heavy year, but seemed to thrive on work of this nature. Miss Hyland (Mr. Kerr's assistant) attended to the general office work in an exceptionally capable manner.

Membership Questions

Replying to a query by Mr. M. J. O'ROURKE, Dun Laoghaire, THE REGISTRAR stated that 144 apprentices had been registered during the past year, and 5,574 since the foundation of the Society.

Congratulating the president on his address Mr. F. STOREY, Belfast, said it showed definitely that pharmacists were moving in the right direction. After outlining what had been achieved in the North through pharmaceutical legislation, Mr. Storey said he had read with interest the Eire proposals for dealing with the druggist question, but did not think they went far enough. In the North the idea was to call the druggists accepted "dispensing druggists," but his own idea was to call them "chemists and druggists with the right to compound"; the Northern Government would not accept two grades, and said they should be called pharmaceutical chemists. He hoped members in Eire would not make the mistake of creating a new grade for the druggists. Detailing the measures taken in the North to control the excess of apprentices, Mr. Storey mentioned that war time conditions had now, for the time being, solved the problem. With good openings in munition work the young people were not coming into pharmacy, and when the war was over it was unlikely they would get many apprentices, in view of the more attractive posts that would be available in reconstruction work. An effort had been made in the North to deal with company pharmacies, but with the sole result that now they had co-operative pharmacies starting all over the place.

MR. D. J. NUGENT, Terenure, said there was one point in the Consultative Committee's recommendations he could not agree with, and that was the "widow's clause." He was sorry to see it in, because he thought it was a dangerous thing. Before it was let through he would like to see the clause debated.

Thanks to President

Proposing a vote of thanks to the president for his address, Mr. G. C. O'NEILL, Blackrock, said that they could not have a fairer man than Mr. Cahill. Seconding the vote, Mr. F. X. MEAGHER, Dublin, said he differed heartily from Mr. Nugent's views on the "widow's clause." He was quite sure that if the clause were brought in it would only be used where circumstances arose that made its use desirable.

THE PRESIDENT, replying, said that some of the views expressed by Mr. Storey were those of the Council and the Consultative Committee. The creation of a Potent Drug Schedule, as distinct from Poison Schedules, had been suggested, but he believed a Poisons Board on which they had a good say would meet the case. At present they had no say with regard to what went on the Schedules. The "widow's clause" had actually not yet been discussed by the Council. They would bear his remarks in mind when it came under review.

The vote of thanks was then put to the meeting and passed with acclamation.

Treasurer's Report

Coming to the treasurer's report, THE PRESIDENT said Mr. Fitzpatrick was not with them that night. After many years' service as honorary treasurer he had decided not to seek re-election in the coming year. First elected

In 1932, he had been unanimously re-elected very year since then. The very strong position the Society was in today was largely due to Mr. Fitzpatrick's efforts. THE REGISTRAR read a letter from Mr. Fitzpatrick regretting his inability to attend owing to transport difficulties. In his report, submitted by THE REGISTRAR, MR. FITZPATRICK observed that after twenty years' work for Irish pharmacy he felt he was now entitled to ask some of the younger members of Council to take a greater share of the responsibilities of management. In his his last report as treasurer he was able to state that the financial year just ended was again a story of progress and prosperity. Membership showed an increased income of £1,017. With £500 National Security Loan purchased during the year, investments stood at £6,091, of which the market value was £6,487. The Revenue Account showed £915 excess of income over expenditure, but this apparent profit was countered by an unprecedented demand for income tax on registration fees. An appeal had been lodged against this assessment, and the Council had authorised the Law Adviser to employ Senior Counsel to represent the Society before the Income Tax Commissioners. Chemists who were agitating for the restriction of apprentices would, he felt sure, derive some satisfaction from an item in the balance sheet that showed a decrease of £226 in the income derived from Preliminary Registration fees in 1942. Whether this was due to the wisdom of parents or of chemists was a matter of surmise. The Benevolent Fund continued to make progress, the capital now being £2,717 invested in Government securities. It was a most deserving charity and he appealed to members to give it generous support. He suggested that a subscription should be sent by every member when paying his annual membership subscription. Mr. Fitzpatrick concluded by paying tribute to the constant help received from the registrar and staff in his efforts to secure economy in expenditure.

Moving adoption of the report, Mr. J. GLEESON (vice-president) said the fact they were in such a fine financial position that day was due in no small measure to the industry their treasurer brought to his task. The one fly in the ointment was the income tax claim. They had no objection to paying their lawful debts, but they did not regard this claim as just, and had decided to fight it in the interests of the Society. Seconding the motion, Mr. M. J. O'Rourke expressed his appreciation of the good work Mr. Fitzpatrick had done. He thought some of the money they had to their credit should be utilised to set up a biochemistry laboratory to train some of their students. Many of their students would not find their way into retail pharmacy, and an outlet could be found for them in this way. The motion was carried unanimously.

Resolution on Apprenticeship

Mr. J. A. O'Rourke moved the first part of a motion standing in his name in the following terms: "That this annual meeting of the members of the Pharmaceutical Society of

Ireland deprecates the action of those licentiates who accept more than one apprentice to a pharmaceutical chemist in each four-yearly period." For the past ten or fifteen years, said Mr. O'Rourke, they had heard a lot about overcrowding in pharmacy, but it was not until a year ago that they had got the facts, and they knew now at what door to lay the blame. The Pharmaceutical Council and the I.D.A. had already condemned the practice of chemists taking too many apprentices, and an agreement as to limitation of the numbers had been reached. The time had come now to go a step further than condemnation. The annual meeting gave them a representative cross-section of those most interested in the well-being of their calling, and when a truly representative assembly supported a policy, or condemned a practice, it carried a weight and influence out of all proportion to the force of the words in which it expressed approval or disapproval. A small minority had imposed a burden on pharmacy it could no longer bear. His motion had nothing to do with saving pharmacy: it merely attempted to save something from the wreckage.

Mr. A. E. DIGAN seconded the motion.

SIR T. ROBINSON thought the use of the word "deprecate" in the motion was too strong. If a milder word was used everybody would be with the proposer.—MR. O'Rourke said the word "deprecate" meant something which merited severe disapproval. The use of the word "invite" would be too mild at the present stage.

MR. M. V. SARGENT said that when botany and chemistry as compulsory subjects were removed from the compulsory category the flood gates were opened to allow any one in. Those who failed in competitive examinations for the Civil Service, the banks, and other careers turned into pharmacy. He suggested the Society should again approach the Government to have botany and chemistry restored as compulsory subjects.

MR. J. GORRY, Naas, claimed the great increase in the number of apprentices was due to the public invitation given to parents about 1928 or 1929 to send their boys and girls into pharmacy. Till then the average number of people coming in had been twenty-four each quarter. Inside twelve months it shot up to sixty, and inside two years to over 100.

MR. J. P. KISSANE, Tipperary, thought the apprenticeship matter should be governed by a fee of £100, of which £10 should be paid to the Society. He was in favour of paying a salary and having an apprentice once in every three years. The trouble was that in a lot of cases apprentices were taken in free and treated as cheap labour. The number of apprentices should be limited to two.

MR. M. V. BOWIE was strongly opposed to charging an apprentice a fee of £100. To limit an employer to one apprentice might keep some very brilliant boys out of the profession. The real trouble lay in the fact that so few qualified men were employed either by the retailers, wholesalers, or manufacturers.

Supporting the motion, Mr. P. A. BRADY

said he was thinking of those in pharmacy today and not those coming in in four or five years' time. From the illuminating figures given by Mr. Kerr it looked as if they were going to have chemists in every side street and alley in their cities and towns. He would be in favour of an addendum to Mr. O'Rourke's motion that employers, instead of keeping apprentices for three years and then turning them on the market, should be compelled to keep them for four years.

Mr. M. J. O'ROURKE said he did not agree with Mr. Kissane in allowing two apprentices to each licentiate. On that basis they would have over 2,000. It was wrong to say they "employed" an apprentice. What they did was to teach him the craft of pharmacy. Since the Society was founded they had 5,574 apprentices, or an average of eighty-three apprentices each year. Last year they had 144, and the average was rising.

SIR T. ROBINSON said he would deplore any man taking two, three or four apprentices in four years; the term of apprenticeship should be four years.—THE REGISTRAR (Mr. J. J. Kerr) said they had a record of such cases as Sir T. Robinson had mentioned.—SIR T. ROBINSON: The Council should be able to deal with this matter. If we put in, too many restrictions it might do harm.

Mr. M. J. KIERAN said they would only be cutting a rod for themselves if they allowed this apprenticeship problem to grow. Pharmacists who were in a position to do so should employ qualified men and pay them a living wage. It was up to the bigger men only to take the minimum of apprentices and discourage cheap labour.

MR. D. MURPHY said the whole apprenticeship business was disgraceful. He understood there were members of the Council who had more apprentices than they were entitled to. Those people should be forced to have one apprentice only to each shop.

The motion was put to the meeting and carried.

Formal Undertaking for Signature

MR. O'ROURKE then moved the second part of his motion, which was in the following terms: "That this annual meeting of Members of the Pharmaceutical Society of Ireland urges the Council to draft a formal undertaking to be sent for signature to those chemists who are not honouring the code accepted by the majority of their colleagues." The present position was so bad, Mr. O'Rourke said, that the matter might be taken to a Trade Board. This step would introduce outside coercive influences, and it would be much better to settle the matter by discipline within. The people at fault were a small minority and confined to four counties alone.

Mr. F. J. ROCHE seconded the motion.

MR. F. X. MEAGHER said that the proposal, implied in the motion, that the 800 shops in the country were entitled to take one apprentice each was preposterous. The only thing to remedy the situation would be legislative power for the Council to limit apprentices to shops

suitable as training places.—MR. O'ROURKE said he agreed with Mr. Meagher. His motion really suggested the lowest form of co-operation. If it could be achieved he would like to see made illegal for a man to take a second apprentice until the apprentice he had was qualified and in a good position.

MR. STOREY thought the solution of the whole question was to have the indenturing of apprentices in the hands of the Council.

THE PRESIDENT said he did not think Mr. O'Rourke's motion was the best way of handling the problem. Personally he had little faith in voluntary undertakings. Sixty per cent. might back the principle and the balance let them down. Apart from that he wondered if the Council had any legal right to send out a proposal of that kind. The Council realised the gravity of the situation, and was at the moment endeavouring to see a responsible member of the Government to discuss the position. The Council knew how members felt on this matter and in view of that he would ask Mr. O'Rourke to withdraw the motion.

MR. O'ROURKE thought a good many men would be influenced by a meeting, like that which was the most representative gathering he had ever seen. They should use every possible moral force to bring their own people to book.

MR. KIERAN believed there was something in the president's view that the proposal in the motion might not be legal. Would not the matter be fully advertised when it went out from that meeting?—THE PRESIDENT: No doubt publication of the discussion here tonight will do a lot of good.

MR. MALLIN said they should find out the number of those honouring the code and where they were. He moved an amendment to the motion that the word "not" before "honouring the code" in the motion be deleted.

MR. MURPHY seconded.

The amendment was put and lost, and the motion was then carried.

Regulation Governing Annual Meeting

MR. G. C. O'NEILL then moved a resolution in his name: "That this general meeting recommends the Council to set up a committee to inquire into and if possible improve and simplify the regulations governing the annual election of Members to the Council." Mr. O'Neill said he had put down his motion before he had concrete evidence of the action the Council were going to take to meet his demands of the previous year. It was put down, too, before he had the privilege of nominating Dublin's most successful candidate. Here he would like to pay tribute to the courteous manner in which Messrs. Cremen and Corrigan (the two scrutineers) had received him, and to the scrupulously fair way in which they carried out their task. The registrar also carried out his onerous task with cool North of Ireland efficiency. Mr. O'Neill then went on to urge that the latest date for receiving nominations should be published a little earlier in the official organ of the Society.

THE REGISTRAR said Mr. O'Neill's suggestion would be adopted.

MR. O'NEILL said his idea was that it should be more of a surprise when they had no election earlier than when they had. The aim should be to stimulate interest in the election. He would further and suggest that the date of nomination, with the "zero hour" and date of election, should be given in the October portion of the calendar each year.—THE REGISTRAR said there would be no difficulty about having that done.

MR. F. J. ROCHE seconded the motion.

MR. C. COLLIS said he would like to thank the chemists and all those who had done such good work for the "panel" candidates.

MR. O'NEILL said his "secret weapon" last year had been the fact that the day of election had been changed in 1937 from the first Monday in October to the Monday preceding the second day. He was satisfied now with what had been done, and would not press the motion. He hoped that what he had said there that night would create a better atmosphere about their election and more confidence in it.

THE PRESIDENT: Mr. Kerr will adopt your suggestions.

MR. GORRY thought it would increase the

voting considerably if the names of those who voted were published in the trade Press.—THE REGISTRAR said there would be no general objection to doing that, but in view of the present paper shortage there might be difficulties.

THE PRESIDENT pointed out that although the poll in the last election was nominally 70 per cent., if allowance was made for members living abroad who could not return voting papers in time, and others living in Northern Ireland who had not much interest in the election, the poll was actually between 80 and 85 per cent. for Eire.

Votes of Thanks

On the motion of MR. J. K. WHELEHAN, seconded by MR. STOREY, a cordial vote of thanks was passed to the registrar for his good work during the year. THE PRESIDENT, in conclusion, thanked all present, and particularly those who had travelled long distances, for a record attendance. It was not only a record in numbers but a record in contributors to the discussion. He hoped it would be the forerunner of many such meetings.

EMPIRE AND FOREIGN NEWS

Australian Bottle Tax.—When ordering bottles for dispensing, chemists in the Commonwealth are required to furnish a declaration that the bottles ordered are for dispensing use only, since a sales tax of $12\frac{1}{2}$ per cent. is charged on all other bottles.

Montreal Chemical Veteran's Death.

Theophilus Halton Wardleworth, who lived at his home at 168 Côte Ste. Antoine Road, Montreal, on September 4, at the age of eighty-two, was born at Lowestoft, England. He received his education in England.

U.S. Cosmetic Manufacturers.

"Some concerns" are stated by the War Production Board of the United States to be affected by the Order L-371 (see *Chemist & Druggist*, October 10, p. 376). In 1939, according to a census taken in that year, there were 539 manufacturers with an average turnover of \$5,000 each.

Emergency Medicine Dépôt at Johannesburg.

Following restrictions upon the chemists' shops may keep open, an emergency medicine dépôt was opened in the vestibule of Africa House, Johannesburg, on August 8. The dépôt is organised by the Pharmaceutical Society of the Transvaal with the unanimous support of its members. In a memorandum issued by the Society it is stated that the dépôt will be open from 6 p.m. to 8 p.m. and continuously day and night on Sundays and

public holidays. Its functions will be to dispense doctors' prescriptions and orders for surgical and sick-room needs, and supply urgent medicinal or surgical requirements to nursing homes and members of the public direct, at the discretion of the manager, but never in excess of twelve hours' supply. It is anticipated that, if the dépôt is successful, similar dépôts will be opened in Cape Town and Durban.

Cartons Banned in South Africa.

Under regulations recently enforced chemical manufacturers are not permitted to use certain packing material such as printed cartons even if it was in stock at the time the regulations were put into force. Some manufacturers are understood to have had thousands of printed small cartons for single bottles, and others to contain dozens of bottles; according to the regulations these may not now be used. As a result medicinal preparations will have to be packed in straw for dispatch by rail to wholesalers throughout the country. Breakages are expected to increase, with consequent loss of drugs, bottles and labour, not to speak of damage to remaining contents of cases. It was expected that the Controller of Paper would commandeer all printed cartons for repulping, but no indication of the intention to adopt this course has been given, and chemical manufacturers are now seeking to have the regulation amended so that at least they may use cartons at present in stock.

MEDICAL ABSTRACTS

Aqueous Benzyl Benzoate.—In a comparison of the effects of aqueous and spirituous emulsions of benzyl benzoate Mallen ("British Medical Journal," October 17, p. 452) finds that the aqueous is as effective as the spirituous emulsion, and, of course, less expensive. The amount of dermatitis is slightly higher but the incidence of recurrence much lower with the aqueous than with the spirituous emulsions.

Proflavine as Wound Dressing.—Proflavine powder is considered by Mitchell and Buttle ("Lancet," October 10, p. 416) to be much less toxic than acriflavine. It has been used pure as a dressing for certain intractable wounds, and, where staphylococci are the infecting organisms, has proved more efficient in controlling or eliminating infection than any other drug so far tried. Many cases with mixed infections have also responded well.

New Scabies Remedy.—A report is made by Percival ("British Medical Journal," October 17, p. 451) on the use of tetraethylthiuram monosulphide, 5 per cent., in the treatment of a small number of cases of scabies. He describes the compound as capable of curing human scabies. So far it has been found non-irritant to the skin, and no instances of cutaneous idiosyncrasy have been recorded. The remedy is cheap, clean, easily available, and permits economies in oils and fats. The author recommends trial on a wider scale by other independent observers.

Exercise to Counteract Bee Stings.—In a letter to the "British Medical Journal" (October 3, p. 407) Fortescue-Foukes suggests the possibility that violent exercise after being stung may be a prophylactic against lowered resistance to successive bee stings. He writes: "A shrewd old 'beeman' once got badly stung looking through a hive of mine. I offered to drive him home, but he refused, saying that he would walk it off and that he would be better for a good sweat. Now sweating usually accompanies anaphylactic shock; hence is it not more likely that any good effects of exercise are due either to increased lymph flow or to the presence in the circulation, as the result of muscular activity, of a chemical substance antagonistic to bee venom? Here, perhaps, although in the reverse direction, may be an explanation of the effect of bee venom in the treatment of muscular rheumatism, an effect vaguely attributed to protein shock."

PERSONALITIES

Mr. W. D. Ross, who is well known to exporting houses in London and to overseas importers, has joined Astrin Bros. Ltd.

Mr. W. C. S. Thomas, M.P.S., 31 High Street, Clapham, London, S.W.4, gave an address on pharmacy to the local Rotary club on September 21.

Mr. HAROLD HORSFALL, M.P.S., gave an address on "Science and the Working Class" at Burnley recently. He said the development of science was restricted by monopolies conducting private research for their own profit.

Mr. HAROLD LOMAX, M.P.S., sen., has returned to his business at 1 Derby Buildings, Wavertree Road, Liverpool, 7, thus releasing his son, who has taken up a position at the Military Hospital of the Ministry of Pensions.

Mr. WILLIAM C. HOLT, M.P.S., 12 Penny Street, Blackburn, who recently passed the Chemist and Druggist Qualifying examination, is a member of the third generation of the family to qualify. His father and grandfather have both, in their time, presided over the local Branch of the Society.

Mr. JOHN B. MACDONALD, J.P., M.P.S., Hawthornlea, Wellshill Terrace, Perth, who recently retired from business, had been in business as a chemist for fifty years, over forty of them spent in the same shop. An ex-Dean of Guild, ex-bailie and former Masonic leader in the city, Mr. Macdonald, who traded under the name of P. Strang, High Street, Perth, served his apprenticeship with the late R. P. Blair, South Methven Street. He then went to the Edinburgh Royal Infirmary for six years as dispenser. Returning to Perth, he commenced as an assistant with the late P. Strang in 1902, taking over that business when Mr. Strang retired. In his retirement Mr. Macdonald retains the position of consulting chemist to the Perth Royal Infirmary.



Mr. John B. Macdonald, J.P., M.P.S.

MR. CHARLES J. CUNNINGHAM retired on September 30 after over sixty years' service with T. & H. Smith, Ltd., Blandfield Chemical Works, Edinburgh. To mark the occasion he was presented with a wallet of notes from the staff and employees. As one of the company's representatives he made a large circle of friends throughout Scotland.

MR. DAVID MCCALL, Ph.D., B.Sc., Ph.C., F.L.S. (head of the school of pharmacy, Dundee Technical College), addressed Cupar Rotary Club recently on "Plants as Drugs." He quoted a U.S. war correspondent as having stated: "In the last desperate showdown the Battle of Bataan (Philippine Islands) ended because supplies of quinine ran out."

BIRTHS

TAYLOR.—On October 10, Gwen, the wife of Leslie Taylor (Falkland Islands Co., Ltd.), of a son.

CHARLTON.—On October 9, Jessie, the wife of John H. Charlton, M.P.S., 1 Dene View, South Gosforth, Newcastle-on-Tyne, of a son.

WESTLAKE.—At the Acland Home, Oxford, on October 10, Peggy, the wife of William K. Westlake, M.P.S., 255 Banbury Road, Oxford, of a daughter (Anne Margaret).

DEATHS

ALLAN.—At Epsom, recently, Mr. Basil Edward Allan, M.P.S., the Barnham Pharmacy, Barnham, Sussex, aged thirty-nine.

BOYCE.—Recently, Mr. Herbert George Boyce, M.P.S., 13 Herbert Road, Southsea. Mr. Boyce passed the Minor examination in 1894.

CUMMING.—As the result of an accident while on active service in the Middle East, Mr. Huntley Gordon Cumming, chemist and druggist, son of Mr. W. Cumming, M.P.S., Thurso. Mr. H. G. Cumming was serving as a sergeant in the Royal Army Medical Corps.

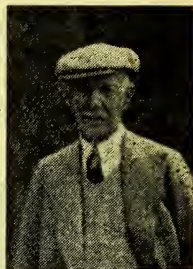
EVANS.—Recently, Mr. Gwilym Rufus Evans, M.P.S., 10 Woodside Road, Woodford Wells, Essex. Mr. Evans was registered in 1920 under the Poisons and Pharmacy Act, 1908.

LEES.—At the Royal Infirmary, Edinburgh, on October 8, Mr. Andrew Lees, M.P.S., 19 Rankeillor Street, aged thirty-six. Mr. Lees qualified in 1929.

MILLARD.—In the Royal Northern Hospital, Holloway, London, on October 12, Mr. Norman Philip Millard, F.C.S., 60 Wood Vale, N.10, a director of C. J. Hewlett & Son, Ltd., beloved husband of Sybil and only son of Mr. Edgar James Millard, Ph.C., aged forty-seven.

MITCHELL.—Recently, Mr. William Dunbar Mitchell, chemist and druggist, 18 Clwyd Street, Ruthin. Mr. Mitchell qualified in 1899.

QUIBELL.—At Gable Lodge, Bishops Avenue, London, N.2, on October 15, Mr. John William Quibell, M.P.S., governing director of John W. Quibell, Ltd., wholesale chemists, 885 Finchley Road, London, N.W.11, aged sixty-eight. He was apprenticed with Mr. Cherrington, chemist, Newark, and after qualifying in 1904 was for a time with Vines & Froom, chemists, Aldersgate, E.C.1, before taking over in 1911 the business in Golders Green. He was a member of the London Chemists' Golfing Society and held office as captain just before the war broke out. Mr. Quibell was keenly interested in Masonic affairs and was a Past Master of several lodges. He qualified in the Minor examination of the Pharmaceutical Society in 1898.



Mr. J. W. Quibell

RICHARDSON.—At his residence, The Double House, College Lane, Hurstpierpoint, Sussex, on October 15, Mr. Benjamin Richardson, chairman of Thos. Christy & Co., Ltd., manufacturing chemists, aged eighty-two. In 1874 Mr. Richardson became associated with the firm of Thos. Christy & Co., which was founded by the late Thomas Christy, F.L.S., and he was appointed chairman of the company when the firm was incorporated as a private limited liability company in 1934.

STACEY.—Recently, Mr. Henry George Stacey, M.P.S., Rectory House, Lidgate, Newmarket, aged eighty-seven.

WELCH.—On September 20, Mr. Tom Salthouse Welch, chemist and druggist, 38 Kirkstall Road, Birkdale, Southport, aged sixty. Mr. Welch qualified in 1903.



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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

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The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Official Pharmacy Census

SOME time during the next few days pharmacists in retail business throughout England and Wales will receive from the Central Pharmaceutical War Committee a communication on the subject of a census of retail pharmacies and their staffs. The census forms, which are of a comprehensive character, will be accompanied by a letter pointing out that the information is required by the Committee in accordance with the recently-issued Pharmacy Undertakings Order, 1942 (S. R. & O., 1942, No. 2067), details of which were published in the *C. & D.*, October 17, p. 385. Similar census forms relating to wholesale houses and hospitals are being prepared and will be dispatched in due course. Scottish readers should note that the census forms for Scotland will be sent out by the Scottish Committee. While in normal times chemists would be extremely hostile to disclosing details of their businesses and would in fact be justified in refusing to do so, the Pharmacy Undertakings Order, which has been issued under the Defence Regulations, makes it obligatory for them to provide the information required within ten days of receiving the forms.

Briefly, the Central Pharmaceutical War Committee asks for approximate

figures of dispensing for a complete year (subdivided into N.H.I., private, family recipes, etc.), approximate annual number of customers for drugs, medicines and surgical requisites, special business undertaken, approximate distance from other pharmacies, date of establishment, and type of area in which the pharmacy is situated. The census also requires particulars of staff employed in the pharmacy, including pharmacists, dispensers, apprentices, women drug hands and others concerned with the handling of drugs. Disclosure of financial information is not required. While the questionnaire itself appears perfectly straightforward, many chemists will doubtless wonder what lies behind this elaborate collation of statistical and other information, and will be entitled to ask if any useful purpose is thereby being served. One possible answer to the first part of the question is, of course, that the information is required to enable the Central Pharmaceutical War Committee to see a picture of each individual business and to estimate whether the pharmacy concerned is over- or under-staffed. The answer to the second part depends on the use to which the census will be put.

Obviously, however, circumstances may alter as the war progresses, and there seems to be no reason why the power of direction may not eventually be applied to pharmaceutical personnel. In the event of the Minister of Labour deciding to apply direction, the Central Pharmaceutical War Committee would, as a result of the census and after consulting the district committees, be in a position to propose man-power changes to the Minister. It would not then be difficult for the district committees to endeavour to provide a more efficient pharmaceutical service, by proposing the transfer of personnel from one pharmacy to another, according to the requirements of the community at the time. After the census form has been completed and returned to the Central Pharmaceutical War Committee, it will be necessary for the chemist to keep the information up to date by notifying the Committee, again within ten days, of any changes in staff or the date of the closing of the premises, should such a contingency arise.

NUTRITION IN WAR-TIME

by Frank Wokes, Ph.D., B.Sc., F.I.C., Ph.C.

XI.—Vitamins D, E and K

VITAMIN D is concerned with the growth of the teeth and skeleton, which makes the greatest demands on the human organism during the first few years of life. The requirements of vitamin D are therefore especially marked in infants and young children. As mentioned in a previous article, an infant may require five to ten times as much vitamin D as an adult, and since this amount has to be supplied in less than half the daily amount of food eaten, the actual diet of the infant must contain ten to twenty times the percentage of vitamin D in the adult diet. To make matters more difficult vitamin D, like vitamin A, may be obtained as a precursor, so that in assessing the vitamin-D value of a food or diet both the precursor and the preformed vitamin have to be taken into account. The problem is further complicated by the fact that the conversion of the precursor into the vitamin depends on a variable factor: the degree of exposure of the body to ultra-violet rays, which may or may not be present in sunshine. Moreover, the efficiency of the vitamin itself is affected by the proportions of calcium to phosphorus in the diet. The optimum calcium/phosphorus ratio is not yet accurately known for different ages, but varies from about 2.0 in infants to about 0.7 in adults. All these facts emphasise the need for further research into vitamin-D problems. Unfortunately, no reliable chemical method of estimating vitamin D in food is yet available. Dependence has still to be made on tedious and expensive biological assays with high experimental error; these have certainly given us a valuable picture of the vitamin-D position, but it is a picture lacking in accuracy at many points.

Vitamin D and Bone Formation.—The story of the discovery of vitamin D and its relation to rickets need not be repeated here. It is, however, necessary to refer to modern theories of bone formation in order to explain certain recent advances. The calcium and phosphorus composing the mineral matter of bones are obtained from the blood by the action of the phosphatase enzyme. This enzyme occurs especially at the growing points in the bones. It breaks down complex organic phosphates in the blood within the bone, liberating inorganic phosphate and thus increasing the concen-

tration of the latter to such a level that calcium phosphate is precipitated inside the bone. Entry of calcium and phosphorus from the intestines into the blood depends upon the action of vitamin D. When the diet is deficient in this vitamin, the percentage of calcium in the blood is maintained at a normal level by the action of the parathyroid hormone in setting free more calcium from the bones. The percentage of blood phosphate may fall, but this is not a reliable symptom of vitamin-D deficiency, and the most reliable indication is given by the blood phosphatase, which may rise to two or three times the normal level. This provides the best method yet available for detecting vitamin-D deficiency in man, but does not give any reliable measure of the degree of deficiency. To estimate vitamin D we have at present to use biological assays depending on the effect of vitamin-D deficiency on bone formation, abnormalities being detected either histologically or by x-ray examinations.

Absorption Spectrophotometry and Vitamin D.—Ergosterol, one of the precursors of vitamin D, occurs in traces (less than 1 per cent.) in the cholesterol present in the unsaponifiable matter in liver oils. Spectroscopic examination of a solution of ergosterol shows absorption maxima at 294, 282, 270 and 260 $m\mu$ approximately. When ergosterol is exposed to radiation of these wavelengths (e.g. from bright sunlight or from a carbon arc or mercury-vapour lamp) vitamin D₂ or calciferol is produced. The absorption spectrum of calciferol has a maximum at 265 $m\mu$ between the maxima at 260 and 270 $m\mu$ given by ergosterol; so that it is not possible to use absorption spectrophotometry to estimate vitamin D₂ in the presence of ergosterol. Moreover, there are two other naturally-occurring substances which can function as pro-vitamin D. One of these is 7-dehydrocholesterol, which occurs in the skin of mammals, and is activated by ultra-violet light of 260–290 $m\mu$ wavelengths to produce vitamin D₃. The other is 22-dihydroergosterol, which on irradiation yields vitamin D₁. The antirachitic value of these different D vitamins is not the same. Vitamin D₃, which occurs in fish-liver oils (e.g. halibut), is more active than vitamin D₂ when tested on chickens, although the two possess the same activity when tested on rats. (Vitamin D₁ was the name given to a product that was obtained

from irradiated ergosterol, and possessed only half the antirachitic activity of calciferol, and was later found to be a mixture of ergosterol with an equal weight of inactive substance.)

Proposed Chemical Tests for Vitamin D.—

The urgent need for such tests may serve as reason for reviewing the progress so far made, even though there is still far to go before satisfactory results are obtained, and though many difficulties remain to be overcome. Spectroscopic methods may be considered first. Since these were employed to discover the presence of ergosterol (one of the D pro-vitamins) in cholesterol, which up to that time was thought to be pro-vitamin D, and since the vitamin D produced by irradiating ergosterol showed marked absorption in solution, many attempts have been made to employ spectroscopic methods to estimate vitamin D. None has yet overcome the difficulty of interference caused by absorption in the same wavelength range due to other substances commonly associated with vitamin D. In addition to the interference due to ergosterol or 7-dehydrocholesterol, there may also be interference due to vitamin A, which occurs in the liver oils that form the richest natural source of preformed vitamin D. The solution of the problem may lie in separating vitamin D from the interfering substances by the absorption technique employed in chromatographic analysis. Colour tests have been proposed for vitamin D, using as reagent a solution of antimony trichloride in anhydrous chloroform. This gives, with vitamins D₂ and D₃, a pale yellow colour, or yellowish-pink if a trace of acetylchloride is also added. Because of the blue colour given by the reagent on vitamin A, this vitamin, if present, must first be removed, which may be done by treatment with maleic anhydride. Cholesterol also may be quantitatively removed by precipitation with digitonin or lithium chloride.

Vitamin-D Requirements.—The absence of a satisfactory chemical test for vitamin D has prevented workers from obtaining any reliable figures for human requirements of this vitamin. One of the greatest authorities in the country recently informed the author that his published figures for vitamin-D requirements, which have been widely used by nutrition workers, are subject to a possible error of 100 per cent.! Adult requirements of 250 to 700 i.u. daily have been suggested by various experts, but studies on diets actually being consumed show that many people appear to

live healthily on a lower intake of vitamin D. Children certainly need much more vitamin D than adults, especially in the first few years of life, and daily requirements of 1,000 to 2,000 i.u. have been suggested for infants.

Vitamin-D Values of Foods.—A food may provide vitamin D in two forms: (a) As preformed vitamin; (b) as a precursor. Since the value of a precursor depends on a variable factor—the degree of exposure of the body to ultra-violet light—the precursors are not usually taken into account when estimating the vitamin-D values of foods. This leads to the not entirely satisfactory position that the only foods credited with significant vitamin-D values are animal in origin, e.g. milk, butter, eggs, liver and certain other parts of meat and fish. In our pre-war diet the chief source of vitamin D was dairy produce; eggs headed the list, supplying more than milk and butter together. One egg can supply the whole of the adult daily requirements of vitamin D, but it must be remembered that the vitamin-D value of eggs varies widely, some containing ten or twenty times as much as others. The vitamin-D value of fish varies widely in different species. Herrings have a high vitamin-D value. Provided that the liver is included, 1 oz. of herring can supply more than half the adult daily requirements. Liver oils provide the richest natural source of vitamin D. It is possible to obtain a sample of halibut liver oil of which five drops would supply the whole of the daily requirement, but some samples fall far below this high standard. The present shortage of eggs, milk, butter, meat and fish throws great importance on other sources of vitamin D, amongst which may be mentioned foods fortified with either synthetic or natural vitamin. It may be anticipated that disclosure of the amounts of vitamin added to foodstuffs will soon become compulsory in this country, as has already occurred in America. An important step in this direction will have been taken when a satisfactory chemical test for vitamin D becomes available.

Vitamin E.—The classical work of Evans and his colleagues in U.S.A. showed the presence, in wheat-germ oil, rice-germ oil, and cottonseed oil, of a vitamin concerned with reproduction. Absence of the vitamin from the diet of rats caused males to become infertile, whilst in females the embryos did not complete their development, but died and were reabsorbed into the maternal tissues. The vitamin has since been isolated

and found to be an alcohol: tocopherol. This occurs in three forms, α , β and γ , of which α is the most potent. In contrast with other vitamins, the physiological properties of vitamin E are also found in a number of similar chemical compounds, though in much less degree. Vitamin E has been found effective in preventing sterility in various species of domesticated animals, and favourable results have been reported in the treatment of abortion in women, but we still know little about human requirements of the vitamin. Spectroscopic estimations may be applied to vitamin-E concentrates, when chromatographic absorption is useful in removing difficulties. Small concentrations of vitamin E may be estimated by potentiometric titration using gold chloride as oxidising agent, making suitable allowance for interference by carotenoids. A colour test has also been used in which the tocopherols are oxidised with nitric acid to give a deep red solution.

Vitamin K.—Like vitamins D and E, vitamin K is fat-soluble, occurring in animal fats (e.g. pigs' liver) and in vegetable fats (e.g. hempseed), but the richest sources are green vegetables such as alfalfa, cabbage and spinach. Absence of vitamin K from the diet of chickens causes anæmia, characterised by a greatly lengthened blood-clotting time. Rats and guinea-pigs do not appear to need vitamin K in their diet, and the position in regard to man is still uncertain, though favourable results have been reported in the treatment of hæmorrhage in obstructive jaundice. The vitamin has recently been isolated and found to be a naphthoquinone derivative; it may occur in two forms, K_1 and K_2 , both of which are physiologically active, though K_1 appears to be nearly twice as potent as K_2 . Estimations may be made spectroscopically or by means of a colour test based on the use of sodium methoxide. Further investigation of the methods is desirable.

PROPRIETARY ARTICLES TRADE ASSOCIATION

A MEETING of the council of the Proprietary Articles Trade Association was held in London on October 8, the president (Lieutenant-Colonel S. Watson) presiding. It was resolved that, in view of existing conditions, there should be no election.

Matters affecting the operation of the purchase tax were discussed, particularly the hardship occasioned to retailers by levying tax on postal and carriage charges on small parcels. A deputation from the Council which interviewed the Customs officials on this subject had so far been unable to obtain any concession, and it was resolved to carry the matter further.

A report on the revised sector scheme, as it affected proprietary infants' and invalids' foods and special dietetic preparations, was submitted. The position of wholesalers who had to supply from stock parcels of goods that manufacturers were unable, in specified circumstances, to send direct to retailers on wholesalers' instructions, was discussed. An arrangement regarding terms was recommended.

The council considered a suggestion from the National Pharmaceutical Union that the P.A.T.A. should undertake the compilation and publication of a comprehensive price list of all proprietary articles sold by chemists, but felt that, in existing circumstances, it could not undertake this. In

this connexion the council deemed it opportune to remind its members that the annual publication of the P.A.T.A. protected list, containing full details of trade and tax-inclusive retail prices, with purchase tax rates on all articles affected, had been maintained, and that supplements to the list, embodying price alterations necessitated by changes in tax rates and other causes, had been produced and sent to all retail members. Through the co-operation of the weekly and monthly pharmaceutical Press, details of additions to the list, and alterations in the prices, of P.A.T.A. articles were published promptly and regularly.

The secretary's report on investigation and testing work during the past quarter stated that 433 premises had been visited for test purchases and information. The premises of seventy-nine traders included in the stop list were found to have been closed down, in addition to those previously recorded. By authority of the executive committee the names of thirty-three traders had been removed from the stop list, after appropriate undertakings had been received. A survey in the provinces revealed that price-cutting was now practically non-existent in an important city formerly noted for the number of its stop-listed traders.

A.B.C.M. ANNUAL MEETING

THE annual meeting of the Association of British Chemical Manufacturers was held on October 8. The officers for the year are: *President*, Mr. R. Duncalfe; *Chairman*, Mr. C. F. Merriam; *Vice-chairman*, Dr. P. C. C. Isherwood; *Treasurer*, Mr. C. E. Carey; *General Manager and Secretary*, Mr. J. D. Pratt, O.B.E. (seconded for war service); *Joint Assistant Secretaries and Assistant Managers*, Messrs. R. M. Drake, O.B.E., M.Sc., and A. J. Holden, B.Sc.

The annual report stated that four firms joined the Association during the year, and there were no resignations, membership at the end of the year standing at 158. The number of affiliated associations had increased to sixteen by accession of the British Barytes Producers' Association. The Association continued to work in the closest contact with the Government departments concerned with the control, supply and use of chemical products, and with the departments operating import and export licensing procedure. The technical knowledge and experience of the Association was again called upon extensively in connexion with control and rationing schemes for chemicals. The organisation of the tar industry in respect of its ability efficiently to meet post-war problems was receiving special consideration, and a survey was being made with a view to co-ordinating policy. The period had seen a continual extension of the range of products subject to the export licensing system. Import control on chemicals had already become all but complete, while overseas countries for one reason or another introduced extensive import restrictions, with the result that chemical export activity became considerably circumscribed. As a consequence, the Association's activities in co-operation with the import and export licensing departments of the Board of Trade had become correspondingly stabilised.

Key Industry Duties

The Association was called into conference with the Treasury on a proposal that import duties should be abolished where imports were wholly or largely on Government account and where in consequence the duties had little practical value. It emerged that the Treasury had primarily in mind commodities carrying specially heavy duties, notably the Key Industry Duties. The opportunity was taken of impressing on the Treasury and the Board of Trade the special nature of these duties and the

importance of not undermining their effect by precipitate and/or widespread removal of the duties. When, in due course, the list of chemicals exempted from Key Industry Duty on the grounds stated was issued, it was noted with satisfaction that only a short list of products was involved, and that (with one or two exceptions on which the Association made effective representations) full recognition had been given to the Association's views.

Chairman's Address

After moving adoption of the annual report and accounts THE CHAIRMAN (Mr. C. F. Merriam) spoke about post-war planning. The Council, he said, had had the question under review recently and he suggested it might be necessary to go even further than examining only the organisation of their own Association and its relations to other bodies. They might need to consider the whole structure of the chemical industry and determine if it was organised to operate on a basis which would give, after the war, the most efficient service to the community at home and a satisfactory contribution to the export trade of the country. Such a survey would include an examination of their position by individual manufacturers and sections of the trade making the same products. A start on these lines has been made in at least one quarter, and he submitted that the Association would be doing no more than its duty in giving help to such a study.

So far as the organisation of the Association itself was concerned, the question might involve such matters as whether the scope of membership was sufficiently clearly defined, or whether there is overlapping with other associations; whether it was desirable for membership of a trade association, such as the A.B.C.M., to be compulsory for all firms in the industry; whether such an Association should be in a position to enforce its decisions; whether it should exercise control over production and prices and extend its activities to include relations with labour. These were some of the points on which they intended to seek the views of members, and a letter of inquiry for this purpose was in preparation. After the replies have been collated and considered, they might be in a position to frame a post-war policy, but there were so many divergent views to reconcile, and so many sections of the industry, each with its own problems, that it was no light task.

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, October 21

SMALL but steady business is regularly going on in the London drug and chemical markets but prices show little variation. Most of the goods changing hands are intended for immediate use by the home consuming trades, and the quantities involved are usually not large. In PHARMACEUTICAL CHEMICALS, the only item of importance is a new Control and Maximum Prices Order for CITRIC ACID, which came into operation on October 19. Under the Order—the Citric Acid (Control and Maximum Prices) Order, 1942—a licence is required to sell citric acid otherwise than by retail and sales must be made at or below the prices laid down in the schedule to the Order.

Crude Drugs

Apart from steady routine sales to consuming trades, this section of the markets shows little activity. Price movements have been slight and of no particular significance. Some small sales of AGAR are being made for bacteriological use, but prices are not mentioned. Rather more inquiry has been received for CAPE ALOES. BENZOIN continues to sell slowly at recently quoted prices. CARDAMOMS is neglected and without quotable change on the week. Some spot business is reported in old bark CASCARA SAGRADA at much higher prices than those ruling recently for Lease-Lend material. Interest in ERGOT is practically non-existent, but the price is maintained at the level noted last week. No information has yet been received regarding maximum prices for GINGER. Spot values of Kordofan GUM ACACIA have again declined, but the shipment price is unchanged. Considerable inquiry has been received for Minas IPECACUANHA and values are tending dearer. It has been announced by the Ministry of Food that quotas for shipment of PEPPER from India are being arranged in order to make equitable supplies of pepper available to the united and neutral nations. In the meantime, exports from India are being restricted to the 1939-40 level, with the exception of certain purchases made by the Ministry of Food for the united nations. Some export inquiries are noted for in-bond supplies of

RHUBARB, but no such goods appear to be available. SEEDS are quiet, and without price change. SHELLAC is dearer. TRAGACANTH is quiet, but prices of medium grades show a further small decline as a result of substantial stocks coming forward.

Essential Oils

Business in oils remains steady, but amounts only to filling stockists' requirements. Practically no price changes have occurred. ANISE (STAR) is in routine demand, with genuine Red Ship in dealers' hands at unchanged prices. English distillers' prices for CLOVE have been reduced by 6d. per lb. EUCALYPTUS is at the rather higher level noted last week. Spot supplies of PEPPERMINT are increasingly difficult to find, and high prices would be required for any available supplies.

Exchange Rates on London

No changes have occurred in the fixed rates settled by the Bank of England, principal among which are: New York, 4.03 dollars; Montreal, 4.45 dollars; Buenos Aires, 17.02 paper pesos; Dutch West Indies, 7.60 florins; Lisbon, 100 escudos; Stockholm, 16.90 kroner; Zurich, 17.35 francs. The Chinese National dollar is worth $3\frac{1}{2}$ d. and the Madrid peseta is at 40.50 to the £1.

Pharmaceutical Chemicals

ACETANILIDE.—Moderate supplies of B.P.C. crystals and powder may be had at 2s. 5d. and 2s. 6d. per lb., respectively.

ASPIRIN.—Details of makers' prices were given last week (p. 406).

ATROPINE.—Makers continue to quote 4-oz. lots of ALKALOID at 34s. 6d. and of SULPHATE at 27s. 6d. per oz.

BENZOIC ACID.—No change in makers' price of 2s. 6d. to 3s. per lb., according to quantity.

BORAX.—Makers quote the following prices for B.P. quality: Granulated, £39 10s. per ton; crystal, £40 10s.; powder, £41. Commercial grade, £8 per ton less. Packed in one-cwt. bags, delivered carriage paid Great Britain, in one-ton lots and upwards.

BORIC ACID.—Current rates for B.P. quality are: Granulated, £60 15s. per ton; crystal, £61 15s.; powder, £62 15s. Commercial grades, £8 per ton less. Packed in one-cwt. bags, carriage paid in Great Britain, in one-ton lots and upwards.

CITRIC ACID.—The Ministry of Food has made Citric Acid (Control and Maximum Prices) Order, 1942, which came into force on October 1, 1942.

The Order requires that persons who sell citric acid otherwise than by retail shall obtain licence. The Order also prohibits the sale of citric acid otherwise than by retail at prices above those laid down in the schedule to the Order. "By retail" is defined as being sales of citric acid of not more than 1 lb. net weight to a person buying otherwise than for the purpose of resale or otherwise than for a manufacturing purpose. The following are the net prices per cwt. fixed in the schedule—

Quantity	Maximum Price	
	Anhydrous citric acid	Citric acid other than anhydrous
1 cwt. or more	s. d. 1 6½	s. d. 1 5
more than 5 cwt. but not more than 1 cwt.	1 9	1 7
more than 1 cwt. but not more than 56 lb.	1 10	1 8
more than 56 lb. but not less than 28 lb.	1 11	1 9
more than 28 lb. but not less than 14 lb.	2 0½	1 10
more than 14 lb. but not less than 7 lb.	2 1½	1 11
more than 7 lb. but not less than 4 lb.	2 2½	2 0
more than 4 lb.	2 3½	2 1

The maximum prices include all costs of delivery by the seller at the buyer's premises and of packing and containers, and no additional charge may be made by the seller for delivery, packing or containers.

ALIC ACID.—Current price of any available supplies would be from 7s. to 7s. 3d. per lb.

GLYCERIN.—Prices of small supplies are as follows: 1-cwt. drum, 86s. per cwt.; 56-lb. tin, 85s.; 14-lb. tin, 100s. per cwt. Subject to discount of 2½ per cent. twenty-eight days.

GUAIACOLS.—CRYSTALS and CARBONATE may be had at from 13s. to 14s. per lb. Limited supplies of LIQUID are stated to be available for home use at about the same price.

EXAMINE.—Free-running crystals are at 1d. per lb., in cwt. lots; fine crystals, 1s. 11d. per lb.

OMATROPINE.—Makers' prices per gm. are as follows: ALKALOID, 4s.; HYDROCHLORIDE, 3s. 6d.; HYDROBROMIDE, B.P., 3s. 2d.; SULFATE, 3s. 2d.

DINE PREPARATIONS.—Makers' current prices per lb. are as follows: POTASSIUM, B.P., 6d., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. SODIUM, B.P., 28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 11s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P. (powder), 28 lb., 10s. 6d.; 14 lb., 13s.; 7 lb., 15s. 2d.; 4 lb., 16s.;

smaller quantities, 16s. 10d.; (cryst.) 28 lb., 14s. 6d.; 14 lb., 15s.; 7 lb., 17s. 2d.; 4 lb., 18s.; smaller quantities, 18s. 10d. IODINE RESUBLIMED, B.P., 112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 10d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d. All prices net. Any quantity delivered carriage paid throughout Great Britain.

PILOCARPINE.—Makers' prices for 4 oz. quantities are as follows: BASE.—26s. 6d.; HYDROCHLORIDE, 20s. 9d.; NITRATE.—18s.

POTASSIUM PERMANGANATE.—Manufacturers' price for 1-cwt. quantities of B.P. quality remains at 1s. 10d. per lb.; 3-cwt. quantities, one halfpenny per lb. less.

SALICYLIC ACID.—Makers' prices for quantities of 28 lb. to 1 cwt. are as follows (containers in brackets): 2s. 5½d. (1-lb.); 2s. 3½d. (4-lb.); 2s. 3½d. (7-lb.); 2s. 3d. (14-lb.); 2s. 2½d. (28-lb.). Prices include parcels or collapsible cartons; other packages extra.

VANILLIN.—Makers' prices are as follows: Ex clove oil or guaiacol, five cwt., 22s. 6d. per lb.; one cwt., 22s. 9d.; 56 lb., 23s.; less than 56 lb., 23s. 3d.; carriage paid in the United Kingdom. Tins and cases returnable.

Crude Drugs

AGAR.—Unchanged. Some business is understood to have been done in bacteriological grade, but no prices are available.

ALOES.—Inquiry has been maintained for Cape, which is offered on spot at 65s. to 67s. 6d. per cwt., according to holder. An order sent out is understood to have brought back the reply that no stocks were available, though another exporter is stated to have offered a few days later at around 47s. 6d. per cwt., f.o.b. Cape. There are also reports of offers of Curaçao from Aruba, with bids invited, prices in the region of 380s. to 450s. per cwt., c.i.f., having been mentioned.

ANTIMONY.—Prices and conditions are without change on the week. English minimum 99 per cent. regulus, £120 per ton, delivered; 70 per cent. crude, £100 per ton delivered.

BALSAMS.—Spot supplies of *Tolu* are restricted, but the price is unchanged at 9s. 6d. per lb. *Peru* would be worth about 8s. 3d. per lb. *Canada*, in small compass, 8s. 9d. per lb. Spot supplies of *Copaiba*, B.P., are not available.

BELLADONNA.—Indian root is quoted on spot at 460s. per cwt., but no prices are available for leaves.

BENZOIN.—Demand has again been fair, but prices are unaltered. Ordinary quality, spot, from £16 to £20 per cwt., according to seller. Free almondy, spot, from £33 to £35 per cwt., but stocks are not large.

BISMUTH METAL.—Price of high-grade metal is steady at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—Limited supplies of fair green rounds may be had on spot at 6s. 3d. per lb.

CALUMBA ROOT.—Spot supplies of middling washed root continue to be offered at from 185s. to 195s. per cwt., but business is negligible.

CAMPHOR.—Natural grades continue to sell slowly on spot at the last-mentioned prices: Chinese, B.P., spot, 11s. 6d. per lb.; crude (92 per cent.), 10s.; Japanese slabs, 12s. Supplies of English synthetic, B.P., are understood to be available to approved buyers at 7s. 6d. per lb.

CARDAMOMS.—Neglected and without quotable price alteration. Current prices are: Aleppy green, spot, 5s. 3d. per lb.; shipment, 4s. 3d. per lb., c.i.f. Aleppy seed, spot, 5s. 9d.; shipment, 5s. 3d., c.i.f. Split seed, spot, 4s. 6d. per lb.

CASCARA SAGRADA.—Some spot business in old bark is reported done at 250s. per cwt. Inquiries continue for any parcels outside Lease-Lend, but no supplies appear to be available.

CHILLIES.—Mombasa continues to be quoted on spot at 145s. per cwt.

CLOVES.—No change has occurred in the spot value of Zanzibar at 1s. 6d. per lb.; second quality, afloat, 1s. 4d., sellers, c.i.f. Madagascar, unquoted.

COCOA BUTTER.—No change had been notified in the maximum price of 1s. 5½d. per lb., ex factory or warehouse, except when sold under Ministry of Food licence.

COCONUT (DESICCATED).—Price is controlled by Ministry of Food Order at 49s. per cwt.

DANDELION ROOT.—For any available small spot supplies of Indian root, 140s. per cwt. would be required. Import licences are not being granted.

DIGITALIS LEAVES.—Good-testing Portuguese may be had on spot at 125s. per cwt.

DRAGON'S BLOOD.—Supplies of re-boiled are exhausted. Dull Zanzibar drops may be had on spot at £21 per cwt., and seedy lump at £30 per cwt.

ERGOT.—Neglected. Spot, unchanged at 5s. 6d. per lb.; shipment, new-crop, 5s. 6d. per lb., c.i.f.

GALANGAL.—Offered on spot at 90s. to 95s. per cwt., according to quantity and seller.

GINGER.—Maximum sales prices have not yet been fixed by the Ministry of Food. Any available spot supplies would be priced as follows: Cochin, 210s. per cwt.; Calicut, 235s.; West Indian, 205s.

GUM ACACIA.—Slightly lower spot prices are now ruling. Kordofan cleaned sorts, spot, 97s. 6d. per cwt.; afloat, 92s. 6d., landed terms; shipment, 65s. per cwt., c.i.f. A moderate quantity of bleached remains and may be had by consuming manufacturers at 114s. per cwt., ex warehouse London.

HONEY.—For particulars of current price schedule for first-hand and wholesale transactions, see *C. & D.*, May 9, p. 527.

HYDRASTIS.—Imported under the Lease-Lend arrangement and sold to users at 22s. 6d.

per lb., ex store, with an additional small charge for repacking.

IPECACUANHA.—Rather more inquiry has been received for the Minas variety, prices for which are now as follows: B.P., 13s. 0d. per lb. slightly under B.P., 13s. to 13s. 3d. per lb. Matto Grosso, spot, 18s. per lb.; some holder ask higher prices. Current prices for Exr IPECAC. LIQ., in winchester quarts, are as follows: B.P., 1932, under three, 26s. per lb. three and under six, 25s. 6d.; six and under twelve, 25s.; twelve and over, 24s. 6d. per lb. B.P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d.; six and under twelve 23s.; twelve and over, 22s. 6d. per lb., all prices net.

JABORANDI.—Spot supplies are at 60s. per cwt., ex store.

JALAP.—Inquiry has again been fair. Current spot prices are as follows: Brazilian, 13 per cent., spot, 95s. per cwt.; 16 per cent., spot 105s.; 19·3 per cent., 130s., ex warehouse Liverpool.

KAMALA.—There are spot offers of 6 per cent. at 2s. to 2s. 3d. per lb., according to holder.

LIQUORICE ROOT.—East Indian, spot, 70s. per cwt., and South African, 75s. per cwt., both ex warehouse Hull. It is understood that Russian may still be had on spot at £60 per ton, the officially-approved price.

MENTHOL.—Demand has been moderate, with Chinese on spot continuing at 72s. 6d. to 75s. per lb., according to holder. Japanese, if obtainable on spot, would be worth 75s. per lb.

MERCURY.—Full particulars of current official prices, which range from £68 10s. to £69 15s. per bottle for quantities over 7 lb., were given in the *C. & D.*, August 1, p. 131.

MYRRH.—Spot supplies are in small compass but replenishments are expected. Aden sorts obtainable on spot at £17 10s. to £18 per cwt.

NUX VOMICA.—Business continues steady, but the quantities involved are not great. Cochin washed and garbled, spot, 42s. 6d. to 45s. per cwt., according to holder.

OLIBANUM.—Fresh supplies are awaited.

ORANGE PEEL.—Supplies are meagre, but prices are steady. Spot, thin cut and quarters 3s. 3d. per lb.

PAPAIN.—Nominal on spot at 16s. per lb.

PEPPERS.—Maximum official price of whole white Muntok, not picked over or cleaned, is 8d. per lb., in bond; whole black Lampong of similar grade, is at 5d. per lb., in bond.

PIMENTO.—There are spot sellers at 2s. 7d. per lb.; shipment prices are not quoted.

PODOPHYLLUM.—Dealers are offering *Emodi* 15 per cent., at 82s. 6d. per cwt., spot.

PSYLLIUM SEED.—The spot price of Indian seed is 1s. 3d. per lb., ex store.

QUILLAIA BARK.—Values are unchanged. Natural bark, spot, 100s. per cwt. Crushed or cut, 125s.

RHUBARB.—A moderate business is being transacted at the prices quoted last week. Good-quality rough-round, spot, 7s. 6d. to 8s. 9d. per lb.; lower grades, 7s. 3d.; Shensi, spot, 9s. 6d. to 10s. per lb. Some export inquiry for in-bond goods is reported, but nothing seems available to meet the demand.

SAPONIN.—Spot supplies are offered at 7s. 6d. per lb., ex warehouse Liverpool. Shipments unchanged at 6s. 6d. per lb., c.i.f.

SARSAPARILLA.—It may be possible to find a few odd bales of native reddish on spot at 8s. 2d. per lb.

SEEDS.—Quiet conditions obtain, with no price alterations. **ANISEED.**—No supplies. **ANARY.**—None available. **CARAWAY.**—No supplies. **CORIANDER.**—Indian, none available; English, quoted at 22os. **CUMIN.**—Malta, 165s., duty free; Indian, 165s. **DILL.**—Spot, quoted at 17os. **FENNEL.**—Indian, business done on spot at 105s., duty free. **FENUGREEK.**—Nothing available. **MUSTARD.**—New-crop English, 13os. per cwt.

SENEGA.—The spot value of any available supplies would be 7s. 9d. per lb.

SENNA.—No price changes have occurred, and the market is plentifully supplied. Pods: Tinnevely, good hand-picked, 11d. to 1s. 2d. per lb.; ordinary grade, 10d. to 11d.; f.a.q., 11d. to 1½d.; Alexandrian, fair, 3s. 6d. per lb. Leaves: Tinnevely, No. 1, 9d. to 10d. per lb.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.; Alexandrian, broken, 1s. 3d. to 1s. 4d. per lb.

SHELLAC.—Dearer. Standard TN orange on spot is now at 205s. per cwt., value. Pure cotton, unquoted; fine orange, 24os. to 29os. quoted.

SLIPPERY ELM BARK.—Price to users of Leasehold material is 1s. 6d. per lb., ex store. Most of it is understood to have been distributed.

SQUILL.—Indian, spot, cut and dried, 8os. per lb. Red, unobtainable.

STROPHANTHUS.—Business is not important. Bombé seed, 100 per cent., 10s. 9d. to 11s. per lb., according to quantity. 80 per cent. seed is available at a lower price.

TRAGACANTH.—Market is quiet and prices of medium grades are again lower as substantial stocks have come forward. Current rates are as follows: No. 1, white, £118; No. 2, white, 100; No. 3, white, £92; No. 4, white, £75; leaved leaf, £70; amber leaf, £58; red and brown leaf, £35; red leaf, from £28; wormy and gummy, from £15, ex store.

TURMERIC.—Spot value of sound-quality Madras finger remains at 67s. 6d. per cwt. Wormy would be at 65s.

VALERIAN ROOT.—Indian root, spot, steady at the higher price of 105s. per cwt. quoted last week. Spot supplies are in small compass.

WAXES.—Quiet. **BEE'S.**—Supplies are obtainable, but only by application through members of the Association of Merchant Distributors of Exwax. **CARNAUBA.**—Fatty grey, 48os. per lb.; chalky grey, 465s.; Primeira, 36os.

Essential and Expressed Oils

ANISE (STAR).—In routine demand. Genuine Red Ship oil in dealers' hands is unchanged at 53s. to 54s. per lb. in drums and 55s. to 56s. in tins in cases.

BAY.—Small supplies on spot would be worth from 12s. to 13s. per lb., according to quantity.

BERGAMOT.—The basic value of any genuine would be in the region of 10os. per lb., but owing to restricted supplies business would be a matter for negotiation.

BOIS DE ROSE.—Spot value remains in the region of 42s. per lb.

CAJUPUT.—Spot oil would be worth between 15s. and 16s. per lb., according to quantity.

CAMPHOR (WHITE).—It may be possible to find a few odd lots on spot at from 50os. to 55os. per cwt., duty paid.

CANANGA.—Any available supplies of spot oil would be worth between 6os. and 7os. per lb., according to quantity.

CASTOR.—No change in the fixed price for firsts at £60 per ton, naked ex works; seconds, £58 per ton.

CEDARWOOD.—Nominal at 6s. 6d. per lb.

CINNAMON LEAF.—Any available spot supplies would be valued at about 15s. per lb.

CITRONELLA.—Ceylon, spot, from 17s. to 18s. per lb.; Java, about 24s. per lb.

CLOVE.—English distillers' prices are lower by sixpence per lb., at 13s. 6d. to 14s. per lb.

EUCALYPTUS.—Supplies are not plentiful, but the price is unchanged at about 5s. 6d. per lb. on spot.

FENNEL.—Sweet may be had on the spot at around 35s. per lb.

GERANIUM.—About 8os. per lb. would be the basic price of any available supplies, but business would have to be negotiated.

GINGERGRASS.—Spot supplies are obtainable at about 25s. per lb.

GROUNDNUT.—Official prices range between £48 and £54 per ton, naked ex works, according to grade.

LINSEED.—Crude oil, naked ex works, is officially quoted at £46 per ton.

PALMAROSA.—Spot supplies are meagre. Price would be in the region of 35s. per lb.

PATCHOULI.—Spot, nominal at 7os. per lb.

PEPPERMINT.—Spot stocks of Chinese and Japanese oils are extremely difficult to locate, but some business is reported done in odd lots of the former at 85s. per lb. It may be possible to obtain some spot oil for January delivery at 85s. per lb.

PETITGRAIN.—Spot, if available, would be worth from 24s. to 25s. per lb.

ROSEMARY.—May be had on spot at about 16s. per lb.

THYME.—High-quality oil would be worth around 25s. per lb.; other grades would be cheaper.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Pharmaceutical Society of Ireland

SIR,—I should like to express through the *C. & D.* my sincere thanks to all those members of the Society who so kindly voted for me in the recent Pharmaceutical Council election.—Yours faithfully,

Rush, co. Dublin. B. P. HICKEY.

SIR,—We, the undersigned, wish to acknowledge, through the medium of *THE CHEMIST AND DRUGGIST*, our deep appreciation of the voluntary help accorded by our many friends in the recent Council election, and to thank very sincerely all those fellow members whose votes contributed to the success of our candidature. We are anxious to assure them that their interests, and the interests of pharmacy, shall always remain our first concern. We would also like you to know how much the publicity given in your columns to this election in general was appreciated over here.

Yours very sincerely,

JOHN P. KISSANE.

E. J. MACSWEENEY.

MICHAEL COSTELLOE.

WM. G. CUNNINGHAM.

Danger Women in Pharmacy

SIR,—I have been reading your article about training young girls to enter pharmacy to replace young qualified pharmacists and am at last forced to take the part of the worm that sometimes turns. I am speaking on behalf of the thousands of unqualified assistants with twenty years' or more experience of pharmacy, and about whom we never read in any journals, although they constitute the backbone of 75 per cent. of pharmacies. Why should not they be given the opportunity of entering a modified examination in preference to young ladies with a few months' experience? Myself, I was apprenticed for three years in 1911, was in the Army three and a half years, invalided out of same, unable to qualify then owing to war disability, and have now over thirty years' experience of pharmacy, and have dispensed several hundred thousand prescriptions. If when a war emergency arises the best that can be suggested is girls with three months' training, isn't it time we had a little consideration?

Yours faithfully,

UNQUALIFIED.

SIR,—Your editorial on "Danger Women in Pharmacy" (*C. & D.* October 17, p. 399) is to be highly commended. It represents a timely warning to pharmacists (employers and employees) who should see to it that all local branches of the Society give the subject of substitution of pharmacists immediate attention. When I look back upon the "arrangements" made between our Council, the co-operative societies, and the Home Office, re Sections 8, 9 and 10 of the 1933 Act—"cut-and-dried" almost before the members of the Society knew anything about them—I wonder what the attitude of the Council to this proposed dilution of the profession. I think we should seek an assurance from the Council of the Society that, in the interests of both the civilian pharmaceutical service and the members of the Society, any substantial dilution will be strongly resisted, and in fact, a supreme effort made to secure the continued deferment of all pharmacists at present in practice. This is vital in order to maintain a satisfactory service to the civilian population.—Yours faithfully,

LOOKER-ON.

MISCELLANEOUS INQUIRIES

Glycerin. Thymol. Co.—*K. L.*—The Supplement to the British Pharmacopoeia Codex (1941) states that in making the preparation the glycerin is reduced to 19 minims, and the oil of sweet birch is replaced by methyl salicylate.

Period of Notice.—*F. H. J.*—Unless there is an agreement to the contrary, you are entitled to a month's notice, as this is the custom of the trade in England. Whether your wages are paid weekly or otherwise has no bearing on the matter.

Poisons Guide.—*G. D.*—It would be almost impossible for anyone to produce a guide containing all the details in connexion with the Pharmacy and Poisons Act, 1933, but we think the *C. & D.* Guide is the most comprehensive available. We do not publish the Act itself separately, but it was published in full in the *C. & D. Diary*, 1934. If you have not a copy of this *Diary* you could purchase a copy of the Act and the Poisons Rules through any bookseller or from H.M. Stationery Office, London, W.C.2.

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BAYER
BRAND OF
ASPIRIN

Important to Pharmacists

In view of the winter demand, we wish to remind pharmacists that supplies of 'Panflavin' and Bayer Aspirin are not unlimited. Raw materials are in short supply and although we are working to capacity we would ask our friends to keep their orders to normal quantities so that all may be fairly served.



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ERGOT OF RYE	SAPONINE
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* "Lancet," 1942, p. 301,

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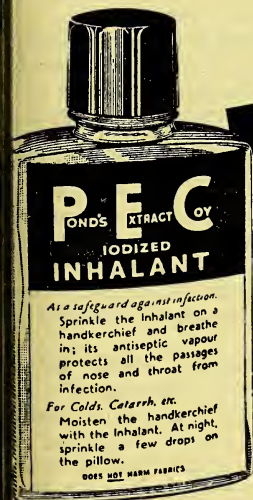
Winter epidemics

P.E.C.

Pond's new iodized inhalant is already in great demand

THE demand for P.E.C., Pond's new iodized inhalant, has increased steadily ever since it was introduced last autumn.

And now, with probable winter epidemics ahead, and the need for checking a cold or a touch of 'flu before it develops, you've got a market ready-made for P.E.C.!



RETAIL PRICE, 1/1½
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In quantities of 3 doz. and
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SPECIAL OFFER. For an opening order we will supply a parcel of 1 dozen at 7/9 plus 1/6 Purchase Tax, carriage paid, cash with order.

An attractive showcard is available on request, for counter display.
Stock up now!

— POND'S EXTRACT CO. LTD., PERIVALE, GREENFORD, MIDDX. —



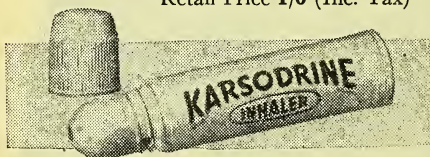
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Dire experience is rapidly perfecting methods of protecting the population against the menace from the skies. Against the unseen menace of germ infection, too, new defences are constantly being built by modern scientific research. Nasal congestion associated with acute or chronic rhinitis lowers the barriers against systemic invasion by pathogenic organisms.

By rapidly promoting nasal decongestion, the early use of the Karsodrine Inhaler in acute nasal infection may obviate many complications, and avoid ultimate hospitalisation of the patient. The volatile vaso-constrictor in Karsodrine secures maximal mucosal depletion within a few minutes, and, reaching the furthestmost recesses of the nose and accessory sinuses, maintains a free air-way in acute and chronic rhinitis and sinusitis. There being only one cap to remove, Karsodrine Inhaler is particularly convenient in use.

Retail Price 1/6 (Inc. Tax)



FORMULA: Amphetamine, 0.330 grm.; Cineole, 0.093 grm.; Ol. Citronell, 0.026 grm.; Methyl Salicyl, 0.023 grm.; Ol. Cedri, 0.005 grm.; Menthol, 0.049 grm.; Ol. Eucalypt, 0.089 grm.

Apart from its assured efficacy the Karsodrine Inhaler is an excellent financial proposition. The Retail Price is 1/6d. (inc. tax), which yields 5/2½d. per dozen profit. This applies equally to small quantities if ordered with other "Griffiths Hughes" products.

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LIMITED

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LABORATORIES

Cod Liver Oil in nutrition

Before the war leading Medical opinion home and abroad agreed that even the daily teaspoonful of Cod Liver Oil was needed to supplement the diets of infants, children, adolescents, and nursing and expectant mothers. The pre-war *Report on the Physiological Bases of Nutrition* 1936, setting down these conclusions and recommendations was endorsed by our own Ministry of Health and the British Medical Research Council.

Since the outbreak of the war the Ministry of Food have taken steps, with their Cod Liver Oil Distribution Scheme, to ensure that adequate supplies are to-day within the reach of young children.

But the Ministry of Food Scheme needs the active co-operation and support of the Pharmaceutical Profession in recommending mothers to take advantage of these facilities and in getting them to appreciate the importance and value of Cod Liver Oil in prenatal care and throughout childhood and adolescence.

For those outside the scheme, and also for those who prefer freedom of choice, SevenSeaS pure Cod Liver Oil is available in all chemists' shops throughout the country. There is no shortage of SevenSeaS and its quality and purity remain unimpaired. The Pharmaceutical Profession is, however, reminded that orders should be placed at least two or three months ahead of actual needs, and the difficulties of packing and delivery are greater than ever before.

Issued by British Cod Liver Oil Producers
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synthetic

Allyl Derivatives

New manufacturing processes permit the offer of limited supplies of several synthetic mustard compounds.

Allyl Isothiocyanate
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Allylamine
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Solution
for intramuscular injection.

Ampoules (2.5 mil.) 6's.

Solution 25 mil.

Trade enquiries invited.

Genatosan Ltd
BOUGHBOROUGH, LEICS.



Bickiepegs Ltd.

makers of Nursery Foods, have pleasure in informing retail chemists of the position regarding deliveries and points rationing.

● **BICKIEPEGS** used in the Royal Nursery—tough little biscuit bones which help to space teeth evenly. Four 7d. packets or less, ONE POINT. Two 1/1d. packets or less, ONE POINT. *In free supply*

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PRICES
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are at present in short supply, owing to war conditions, but every endeavour
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DOUBLE STRENGTH

HEALTH SALTS

HARROGATE HEALTH SALTS

makes its appearance as the first concentrated Health Salt of the War.

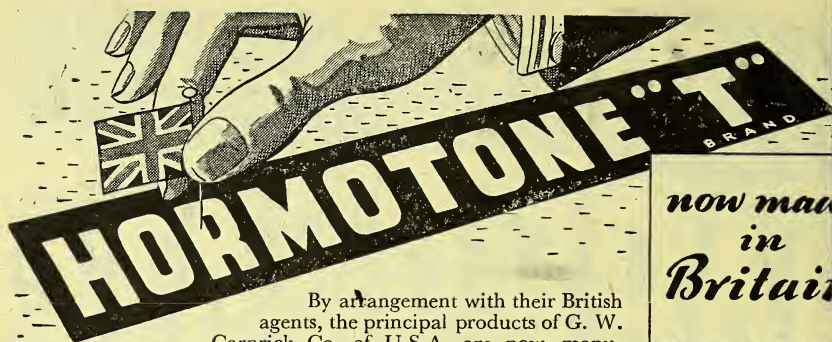
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now made
in
Britain

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50 Years' Test—

has proved the value



of



GET YOUR CUSTOMER TO TRY IT!

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**MANOIDS
NEVROIDS
URICURE TABLET
OCCASIONAL PILL**

THE ACTON PILL & TABLET Co. L.
ASH VALE, SURREY.
and all Sundries Houses.

**AN ANNOUNCEMENT
CONCERNING**

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OF IMPORTANCE TO CHEMISTS**

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The Purchase Tax on Perox-Chlor has now been reduced to 3 1/4%, and the new retail selling prices are 1/7, 3/10, and 6/4.

"OXOID"

The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both in tablet and fluid extract form.

ORGANO-THERAPEUTICAL PRODUCTS

OXO LABORATORY PREPARATIONS

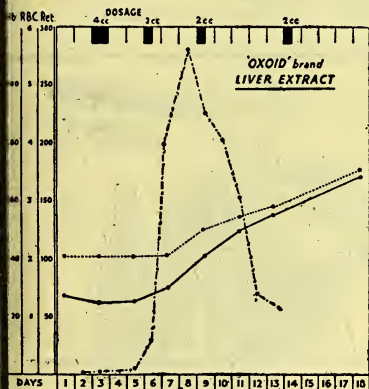
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A highly potent preparation for the treatment of pernicious anæmia.

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Maintenance dose: 2 c.c. monthly.



KEY TO GRAPH

..... Haemoglobin per cent ——— Red blood corpuscles in millions
- - - - - Reticulocytes per 100 red cells

Supplied in ampoules of 2 c.c. and Bottles of 10 c.c. & 20 c.c.

Ampoules: 6 (6/6); 12 (12/6); 50 (48/-); 100 (92/-)

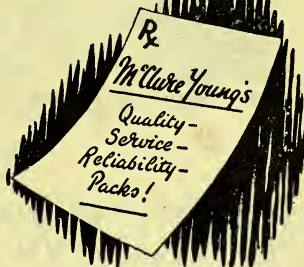
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Calcium bicarbonate (CaHCO_3)	8.83
Magnesium bicarbonate ($\text{Mg}(\text{HCO}_3)_2$)	8.71
Sodium bicarbonate (NaHCO_3)	437.80
Sodium sulphate (Na_2SO_4)	29.67
Sodium chloride (NaCl)	31.63
Potassium chloride (KCl)	14.32
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GERMICIDAL THROAT TABLETS

An Ethical Product for Chemists Only

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13 TO DOZEN
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COST
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DOZEN

less 2½% cash with order, plus
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dozen, £7 5s. 7d.

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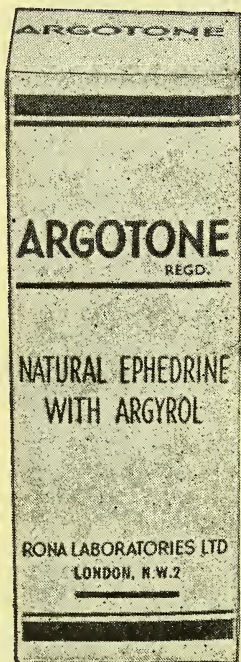


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The CHEMIST AND DRUGGIST SUPPLEMENT

OCTOBER 24
1942

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C.2

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Chemists Only

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20, 40, 60 and 80 oz. sizes

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